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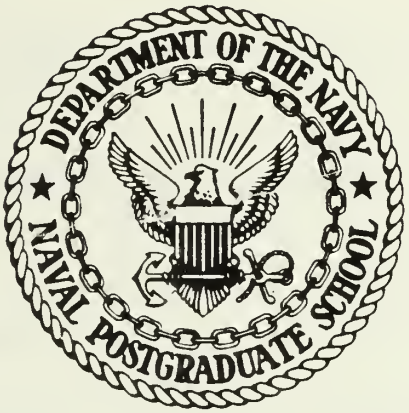

THESIS

SHIP READINESS
AND PERSONNEL ATTRIBUTES
IN (DD 963) SPRUANCE CLASS SHIPS

by

Jeffrey R. Crane

June 1984

Thesis Advisor: W. E. McGarvey

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REPORT DOCUMENTATION PAGE

READ INSTRUCTIONS BEFORE COMPLETING FORM

1. REPORT NUMBER

2. GOVT ACCESSION NO.

3. RECIPIENT'S CATALOG NUMBER

4. TITLE (and Subtitle)

Ship Readiness and Personnel Attributes in (DD 963) Spruance Class Ships

5. TYPE OF REPORT & PERIOD COVERED

Master's Thesis June, 1984

6. PERFORMING ORG. REPORT NUMBER

7. AUTHOR(s)

Jeffrey Ralph Crane

8. CONTRACT OR GRANT NUMBER(s)

9. PERFORMING ORGANIZATION NAME AND ADDRESS

Naval Postgraduate School
Monterey, California 93943

10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS

11. CONTROLLING OFFICE NAME AND ADDRESS

Naval Postgraduate School
Monterey, California 93943

12. REPORT DATE

June, 1984

13. NUMBER OF PAGES

94

14. MONITORING AGENCY NAME & ADDRESS(if different from Controlling Office)

15. SECURITY CLASS. (of this report)

Unclassified

15a. DECLASSIFICATION/DOWNGRADING SCHEDULE

16. DISTRIBUTION STATEMENT (of this Report)

Approved for Public release; distribution unlimited.

17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)

18. SUPPLEMENTARY NOTES

19. KEY WORDS (Continue on reverse side if necessary and identify by block number)

Readiness, Material Readiness, CASREP, Personnel Attributes, Personnel Characteristics, Ship Readiness, Ship Manning, Crew Turbulence, Ship Employment Effects on Readiness

20. ABSTRACT (Continue on reverse side if necessary and identify by block number)

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equipment downtime). Results from the analysis generally tend to support the hypothesis. However, as with previous analysis, the amount of variation attributable to personnel differences appears to be small when compared to the differences attributable to ship and command differences. Examining ship readiness with respect to the CASREP system does not produce strong enough personnel relationships in which to base future strategic planning, suggesting that other avenues should be examined.

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Ship Readiness and Personnel Attributes in (DD 963) Spruance Class Ships

by

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Submitted in partial fulfillment of the
requirements for the degree of

MASTER OF SCIENCE IN MANAGEMENT

from the

NAVAL POSTGRADUATE SCHOOL
June 1984

Thesis
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ABSTRACT

This analysis examines the relationship between ship readiness and the personnel attributes of the personnel assigned to seventeen Spruance Class destroyers. Equipment history as defined in the Consolidated Casualty Reporting System is used as a proxy of ship history. Older, more experienced, and higher quality personnel assigned in the correct numbers are hypothesized to effect higher ship readiness (lower equipment casualties and lower associated equipment down time). Results from the analysis generally tend to support the hypothesis. However, as with previous analysis, the amount of variation attributable to personnel differences appears to be small when compared to the differences attributable to ship and command differences. Examining ship readiness with respect to the CASREP system does not produce strong enough personnel relationships in which to base future strategic planning, suggesting that other avenues should be examined.

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I. INTRODUCTION

In recent years Congress has imposed on the Department of Defense a requirement to show the relationship between proposed resources and readiness. This requirement calls for quantifiable and measurable effects upon readiness for resources obtained. In the Navy, a ship's readiness is measured against many different yardsticks. Readiness is defined as the degree to which a unit is capable of performing the wartime mission(s) for which it is organized, designed or tasked. Implicit within this definition are the many indices, inspections, competitions and unofficial Naval traditions by which a ship is evaluated.

The problem of why one ship is more effective, performs better and has a higher degree of readiness than another ship has been a heavily debated question. It has long been recognized that while certain ships have a sustained reputation of superior performance, other ships never seem to be able to make the grade. The question of ship readiness is clouded in issues such as ship equipment differences; even between ships of the same class, differences in Commanding Officer philosophies, quality of personnel assigned, and the quantity of personnel needed to effectively maintain and fight the ship.

Even more basic, is the question of what criteria defines effective ship performance? By some standards, just the ability to get underway and meet all operational commitments is the measure of a successful ship. Most ships are subject to several different periodic inspections such as the Fleet Commander's Propulsion Examining Board, the Combat System Readiness Review, or the Squadron Commander's Unit Inspection. The successful completion of all these major

inspections or perhaps more appropriately the not failing any phase of these inspections is considered by many a successful measure of a capable and ready ship. Another highly visible measure of the success of a ship is the ship's performance with respect to the Type Commander's Battle Readiness Competition. The mission area awards and the Squadron Commander's Battle Efficiency Award are highly sought after and can, by some, be deemed an important measure of a Commanding Officer's success.

Some of the above efforts to measure readiness fall under the heading of operational readiness, where attention is mainly focused on operations that a ship is required to perform. Others fall under the heading of material readiness where attention is mainly focused on physical objects. Barizily, Marlow, and Zacks [Ref. 1] state that most measures of readiness used in the Navy are static measures that provide counts of people, equipment or hours of training. Their capability or effectiveness in doing a job is not necessarily addressed.

Given the above problems with the present measures of readiness, the major difficulty in any personnel characteristic to readiness analysis is separating those readiness measures attributable to ship, material and command effects from those measures truly attributable to personnel effects. It is important to measure readiness across a broad spectrum of the ship's missions, using standardized terminology and definition and developing suitable methods for relating readiness to personnel resource inputs.

The quality versus quantity questions of recruiting, selection and manning, when placed in the context of today's changing Navy, pose serious and potentially costly consequences if the wrong course of action is taken. With the trend in the Navy's newest classes of ships towards more complex and highly automated systems, higher quality

personnel in lesser numbers seems to be indicated. However, with the more complex systems being installed in today's ships, a change in maintenance philosophy towards modular replacement has also occurred. This new maintenance philosophy would seem to have less need for higher quality personnel. Consequently which path, higher or lower quality personnel, would be the best course for the Navy to follow in the future? Additionally, given the rising personnel costs with respect to training, compensation and retirement what optimum experience, pay grade and skills mix will produce optimum ship readiness? As the Navy expands towards the 15 battle group concept within the environment of a shrinking available manpower pool, accurate answers to the above manpower questions are critical to effective manpower policy and planning.

Only in recent years have researchers tried to find the relationship between ship readiness and personnel attributes. A Center for Naval Analysis (CNA) study, Horowitz and Sherman [Ref. 2], concluded that higher quality personnel are more valuable on ships with more complex equipment. On ships with relatively simple equipment, however, having a full complement of personnel might be more valuable. An earlier CNA study, Horowitz and Sherman [Ref. 3], concluded that entry test scores appear to be more consistent predictors of maintenance effectiveness than high school graduation status, and that a sailor's length of service was frequently a significant determinant of a ship's condition. Both of these CNA studies used as a criterion of readiness the data contained within the Consolidated Casualty Reporting System (CASREP).

Personnel turbulence or crew turnover has long thought to be a primary cause of low readiness in Navy ships. Reeves [Ref. 4] found no consistent significant relationship between levels of turnover and ship performance. However,

he did conclude that the question does deserve continued examination.

May [Ref. 5] again used CASREP data as the basis for the criterion. This study used the personnel characteristics of the ratings within the engineering department in 17 Spruance class destroyers. Few significant relationships were found in the study and in some cases where relationships did prove significant, the results contradicted some of the results obtained in previous studies.

May, McGarvey, and Elster [Ref. 6] have expanded May's [Ref. 5] analysis to include three separate classes of ships, the DD 963 Spruance class destroyers, the DDG 2 Adams class guided-missile destroyers, and the CG 16/22 Leahy/Belknap classes of guided-missile cruisers. Only personnel in 12 select ratings were included in the analysis. Additionally, whereas May [Ref. 5] included all a ship's CASREPs while examining just the personnel of the engineering department, May et al. [Ref. 6] matched CASREPs to the ratings most responsible for maintaining the effected equipment. As with May's [Ref. 5] findings, few predictors proved to be consistently significant across ratings and ship classes. Also, some predictors, such as crew turbulence, proved to be counter-intuitive indicating that greater crew turn-over leads to higher readiness.

This analysis will examine criteria of ship readiness against personnel attributes continuing with and building upon the basic models of May [Ref. 5] and May et al. [Ref. 6]. As with the previous models the basic premise for this model is that older, more experienced, higher quality personnel, if assigned in the requisite numbers as defined by the Ship's Manning Document (SMD), will cause the ship to have a higher degree of readiness. Equipment maintenance history in the form of the equipment casaulty reports found in the CASREP system was matched to the personnel attributes

of the personnel assigned to seventeen Spruance class ships. Table 1 lists the seventeen ships included in this study.

The Spruance class ships are one of the newest of the Navy's destroyer type ships and are designed with highly sophisticated electronics and many automated systems. This class of ships, even though almost the same size as the older classes of cruisers, are manned with approximately one-half the crew. Additionally, all the Spruances were built in the same shipyard and since they became operational, close control has been placed on equipment and ship modifications making this ship class as nearly identical from one ship to another as possible. Finally, the Spruance hull and engineering systems form the basis for most of the Navy's new and projected cruisers-destroyers. Since one of the major problems in any study of this type is the ability to control for ship differences and since the Spruances are as close to identical as any ship class afloat, only the Spruance class of destroyers were used in this study vice the three classes of cruisers-destroyers used in the May et al. [Ref. 6] analysis.

Part of the Surface Warfare Officer's folklore is the belief that a ship in a deployed status "operates" at a higher tempo and has less equipment casualties. The theory is that this "higher" degree of readiness stems from the ship being underway for greater continuous periods of time. Consequently, the ship is more able to manage its time when not continuously encountering homeport distractions resulting in better quality training and equipment maintenance. Since the higher readiness theory while on deployment is as strong as it is in the Surface Warfare Community, this analysis included a predictor for deployment effects that the previous models had not included.

A third major difference between this analysis and those of May [Ref. 5] and May et al. [Ref. 6], is the redefining

TABLE 1

List of Ships

Ships	Hull Number
USS Spruance	DD-963
USS Paul F. Foster	DD-964
USS Kirkaid	DD-965
USS Hewitt	DD-966
USS Elliott	DD-967
USS Arthur W. Radford	DD-968
USS Peterson	DD-969
USS Carcn	DD-970
USS David R. Ray	DD-971
USS Oldendorf	DD-972
USS John Young	DD-973
USS Comte de Grasse	DD-974
USS O'Brien	DD-975
USS Merrill	DD-976
USS Briscoe	DD-977
USS Stump	DD-978
USS Conolly	DD-979

of the ship manning variable. Previously, an independent variable called 'fill ratio' was included in the equations. This variable was the percentage of personnel actually onboard, by rating, as compared to the number of personnel authorized to be onbcard by the Ship's Manning Document. In crder to try to capture more of the "experience" issue, this analysis divided the fill ratio variable previously used intc two parts. One variable, called UFILL, is designed to see what the effects of manning at the E-6 and atove level has on readiness and the second variable, called LFILL, is concerned with the effects of the E-5 and below personnel.

Even though many ratings will have both an E-6 and an E-7 (or greater) authorized, it was thought that the E-6 and above represents the rating expert, the administrator, and the primary trainer for the junior members of the rating and thus his absence may be felt greater than a more junior serviceman.

II. DATA

A. DATA BASES

Three data bases were utilized in this analysis. The first data base was supplied by Ships Parts Control Center (SPCC), Mechanicsburg, PA. This data contained the equipment history of the seventeen ships in question as reported in the Consolidated Casualty Reporting System (CASREP) for the period 30 September 1976 to 31 March 1983, a total of 27 quarters.

The CASREP system is the ship's vehicle for informing the chain of command, the Naval supply system and the engineering design and assistance community that an equipment failure has occurred which directly affects the ship in a primary mission area. Reported by the individual ships, SPCC, Mechanicsburg compiles the CASREPs. Equipment casualties are classified in terms of a severity rating. The severity codes are as follows:

C-2 - (Substantially Ready) A deficiency exists in mission essential equipment which causes a minor degradation in any primary mission area.

C-3 - (Marginally Ready) A deficiency exists in mission essential equipment which causes a major degradation but not the loss of any primary mission area.

C-4 - (Not Ready) A deficiency exists in mission essential equipment that is worse than C-3 and causes a loss of at least one primary mission area.

In addition to the severity of the equipment casualty, other measures of readiness such as total hours the equipment was not fully operational, total hours in which the

casualty was being corrected, if technical assistance was requested and the suspected cause of the casualty are included.

The second data base was created from information provided by the Defense Manpower Data Center (DMDC). This file contains the personnel attributes of the personnel assigned to the seventeen ships during the 27 quarters in question as extracted from their personnel files by DMDC. Application of the extraction procedures resulted in a total of 14,622 men that had served aboard the ships during the 27 quarters. For each case in this file, the information contained includes their: (1) Armed Forces Qualifying Test (AFQT) score; (2) whether they had a high school degree; (3) age at accession; (4) present age; (5) paygrade; (6) years of active duty; (7) number of months in their current paygrade; (8) a label called "returner" indicating whether they had served in that rating aboard that ship in the prior quarter; (9) a label called "uratee" indicating if the seviceman was an E-6 or above; and (10) a label called "lratee" indicating if the serviceman was an E-5 or below.

Next aggregation by rating on these variables was conducted utilizing a "production macro". The program selected those cases by rating who were assigned during one of the 27 quarters. Then, by quarter and by ship, selected attributes associated with that rating were aggregated and central tendency measures (medians) computed. The attributes for which medians were computed were high-school degreed, AFQT scores, entry ages, present ages, paygrades, years of active duty, and months in current paygrades. Additionally, for the labels LRATEE and URATEE a sum is computed indicating the number of personnel in each category actually assigned to each ship each quarter. Then the aggregated measures for a given rating within a ship and within a quarter are merged by ship and quarter, and written to a new file.

A third data base was also generated by DMDC and included, by rating, the number of personnel each ship was authorized as provided by CPNAV-914 from the Ship Manning Document (SMD). Data in this file, by rating, included (1) number of personnel authorized; (2) number of personnel assigned; (3) the number of personnel E-6 and above authorized; and (4) the number of personnel E-5 and below authorized.

B. DEPENDENT VARIABLES

Eleven criteria were computed from the CASREP data. The criteria chosen are noted in Table 2 . The variables total CASREPs (K1), total Level-2 CASREPs (K2), total Level-3 CASREPs (K3), and total Level-4 CASREPs (K4) were drawn directly from the information provided on the SPCC tape; as were calls for outside technical assistance (TECHASS).

The variables M (number of hours the equipment was down due solely for maintenance), S (number of hours the equipment was down awaiting the receipt of the necessary corrective parts), and T (total number of hours the equipment was down) were computed using information contained within the CASREP message. For example T, was computed by subtracting the date time group of the CASREP message from the date time group of the Casualty Correction (CASCOR) message.

INDEX01 is a "readiness" index derived by May et al. [Ref. 6]. It is parallel to the "mission essential material readiness and condition" (MEMRAC) index computed by SPCC, but is slanted more toward maintenance downtime. INDEX01 was computed as follows:

$$INDEX01 = Log((.1 \times K2 \times M) + (.5 \times K3 \times M) + (1.0 \times K4 \times M))/10$$

The underlying principle with this index is that downtime associated with more severe CASREPs (Level-4) should be weighted most heavily, followed by the next most severe

TABLE 2

Dependent Variables

K1	Total number of CASREPs submitted by a ship
K2	Number of Level-2 CASREPs
K3	Number of Level-3 CASREPs
K4	Number of Level-4 CASREPs
TECHASS	Nr of technical assistance calls requested
INDEX01	Readiness Index 01 (NPS)
MEMRAC	Readiness Index (SPCC)
PRSCAUSE	Nr of presumed personnel-based casualties
M	Total downtime for maintenance (hours)
S	Total downtime awaiting parts (hours)
T	Total downtime (hours)

CASREPs (Level-3) receiving a lesser weight, and those least severe CASREPs (Level-2) having their downtime weighted least, May et al. [Ref. 6]. Whereas the INDEX01 index utilizes Level-2, Level-3 and Level-4 CASREPs, the MEMRAC index is found utilizing only weighted values of Level-3 and Level-4 CASREPs.

Prscause is the number of presumed personnel-based CASREPs. Each Casualty Report contains a "cause code". The following cause codes were included in the PRSCAUSE criterion: (1) repair/overhaul inadequate; (2) personnel error; (3) personnel shortage; (4) grounding; (5) collision; (6) lost; (7) sabotage, or suspected deliberate damage; and (8) unknown. Unknown was included because of the possibility that a ship might not wish to admit personnel error.

Also included in the CASREP message is an Equipment Identification Code (EIC) which specifies the effected equipment. A standard listing of EIC's was obtained and each EIC was assigned to the rating most likely to be responsible for maintaining the equipment. Then a sort by EIC of the CASREPs by quarter and by ship was conducted matching the CASREPs to the ratings most likely to be responsible for the effected equipment. In the May et al. [Ref. 6] analysis, this "match" of ratings to EIC was conducted using the philosophy that if a rating to EIC match

was in doubt it was included as part of the data for that rating. The present analysis chose to take the more conservative view, in that if doubt existed in an EIC to rating match, the EIC was excluded from the analysis. As a result, some ratings' EIC records experienced a 10 to 20 percent reduction in the number of observations. However, because of the large volume of data present, all ratings contained enough observations to conduct statistical studies.

In the previous study by May et al. [Ref. 6], it was not uncommon for the variable T (total hours downtime) to have a large standard deviation. Since the data in not only the CASREP file, but also the personnel attributes file is aggregated by quarter, it was thought that for those cases with a large "total hours of downtime" an appropriate relationship between a CASREP and the personnel responsible for correcting the equipment deficiency was not possible if the CASREP was not corrected until the following quarters. (CASREPs were included in the quarter in which the casualty report was filed.) To better screen for this potential confound, a maximum of 2000 hours was used as a rough measure of one quarters available maintenance hours. An additional sort of the CASREP data was conducted, then keeping only those cases in which the total downtime was less than 2000 hours. After this sort, standard deviation for T, for most ratings, ranged from 800 to 1400 hours downtime.

C. INDEPENDENT VARIABLES

The personnel characteristics chosen as independent variables are shown in Table 3. These characteristics were chosen in line with the basic hypothesis that older, more experienced, higher quality personnel in the required numbers as defined by authorization, would improve readiness (decrease the number and severity of the casualties).

With the exception of the variables HSDG, LFILL, and UFILL, for each of the variables, the median of the variable was used. The median was deemed to be relatively robust with respect to the potential for outlying observations. For HSDG, a percentage of high school graduates onboard by rating was used. The median was initially used, but for HSDG it was found that the median was almost always a high school education.

TABLE 3

Personnel Characteristics Variables

HSDG	The percentage of high school graduates
AFQT	Armed forces qualification test scores
ENAGE	Entry Age
PRAG	Present Age
PAYGR	Paygrade
YRACD	Years of active duty
TMEGR	Time in grade
LFILL	Percent onboard of authorized--E-5 and below
UFILL	Percent onboard of authorized--E-6 and above

For the remaining two variables, LFILL AND UFILL, a percentage was also used. LFILL equals the ratio of those personnel who are E-5 and below who are actually onboard to those personnel who are E-5 and below who are authorized to be onboard by the SMD. UFILL equals the ratio of those personnel who are E-6 and above who are actually onboard to those personnel who are E-6 and above who are authorized to be on board by the SMD.

III. ANALYSIS

A. METHOD

A standard block multiple regression analysis was used to determine the significance of the independent variables to one of the dependent variables. For each rating under investigation, and for each of the eleven dependent variables, a model was developed utilizing the nine personnel characteristics variables. In addition, the new ship effect variable, deployment, was included in each of the models. Consequently, 121 regressions (11 by 11) were computed. Appendix A contains the regression production program.

Given the great number of regressions computed and the corresponding large number of coefficients for consideration, the following criteria were used to determine which coefficients to base any interpretation upon. First, the overall R^2's for each of the 121 equations had to meet or exceed the $p<.05$ criterion of statistical significance. Table 4 contains the prob-values for each of the equations and Appendix B contains those models which met the significance test. Second, the regression coefficient had to meet or exceed the conventional $p<.05$ criterion in absolute value associated with a t-test.

B. ANALYSIS

Even though the Spruance Class destroyers are as nearly identical as any class of ship in the fleet today, the first step was to attempt to control for the individual ship differences. To accomplish this, effect-coded variables were derived (-1, 0, +1). The effect-codes provided an estimate or reflection of when any one of the ships deviated

TABLE 4

P-values Associated with R^2

Dependent Variables	Ratings					
	GSM	HT	IC	EM	EN	STG
K1	.0024	.0001	.0001	.0081	.0001	----
K2	.0059	.0001	.0001	.0383	.0001	.0457
K3	.0377	----	----	.0200	.0030	----
K4	----	----	----	----	.0308	----
INDEX01	.0001	.0001	.0001	.0060	.0001	----
MEMRAC	.0348	.0411	----	.0071	.0002	----
PRSCAUS	----	.0428	----	.0228	----	----
TECHASS	----	----	.0479	----	----	----
M	.0001	.0001	.0054	.0270	.0079	----
S	----	----	----	----	.0042	.0491
T	.0049	.0005	.0056	----	.0006	----

	FTM	FTG	GMT	ET	DS
K1	.0011	.0001	.0001	.0001	.0006
K2	.0001	.0014	.0001	.0001	.0009
K3	----	.0001	----	----	----
K4	----	----	*	.0464	----
INDEX01	.0018	.0001	.0036	.0001	.0025
MEMRAC	----	.0001	----	----	.0209
PRSCAUS	----	----	.0199	.0001	.0087
TECHASS	----	.0010	.0151	.0043	.0010
M	.0019	----	----	.0001	----
S	----	.0001	.0001	.0001	
T	.0027	.0001	.0002	.0001	.0101

* No level-4 CASREPs were reported for the GMT rating.

greatly from the mean, either greater or lower, with respect to any one of the readiness criterion.

An overhaul variable was also included in the models. This variable was added to better "control" for the individual ship differences. When a ship enters an overhaul period, it traverses three stages as far as the CASREP system is concerned. Just prior to overhaul, the ship maybe identifying more equipment than normal to the CASREP system so that during overhaul these problems will be corrected i.e. money and parts which might not have been available can be found to correct those problems not previously funded. Second, during an overhaul period, a ship usualy does not submit or submits very few CASREPs since the ship is not in an "operational" status. Third, during the later stages of an overhaul, the ship desires to make the chain of command aware of potential problems which will effect her readiness upon leaving the overhaul period. All of the ships included in this study spent at least some portion of the 27 quarters in an overhaul availability. Therefore, the dichotomous dummy variable OVERHAUL was added to take into account those quarters that the ships were in an overhaul period.

The Spruance destroyers are a relatively new class of ships, with the lead ship being commissioned in 1975. As part of this new construction process, the ship builder established a warranty period in which he was responsible to correct any contractor design and construction related deficiencies. Because of this warranty period, it was postulated that a ship might submit more CASREPs than normal to both document contractor responsible deficiencies and to get contractor aid in the correction of equipment casualties. Consequently, the variable PREWRNTY was included in the model to taken into account the period when a ship was in the contractor warranty period.

A length of service variable (SERVICE) was also included in the model. Even though these ships are relatively new and it is hoped that in the nine years since the lead ship

was commissioned, a significant deterioration over time would not be evident, it was thought some deterioration might occur and thus this variable was included.

The last ship "effect" variable to be included in the model is DEPFLT. This variable attempts to control for any effects that might be introduced because the ship is in a deployed status i.e. out of homeport and assigned to a fleet other than one of the CONUS fleets. A ship's deployment status was determined from the CASREP message using the "operational fleet assigned" codes. If a ship was assigned to either the Sixth Fleet or the Seventh Fleet, it was considered on deployment. This variable was not included in either the May [Ref. 5] or the May et al. [Ref. 6] models. It was included in this analysis because of the common belief of the Surface Warfare community that a ship once on deployment has less CASREPs and operates at a higher degree of readiness.

C. ANALYSIS BY RATING

Table 5 summarizes the results from the regression analyis. Table 5 is divided into two categories, intuitive results and counter-intuitive results. The intuitive results support the hypothesis that higher quality personnel, more experienced personnel and being manned to at least authorized manning levels enhances readiness (decreases CASREPS, and decreases hours down for casualty correction). Tables 6 and 7 provides a frequency analysis of Table 5 . Following is a rating by rating summation of the results:

Electronics Technician (ET):

Higher readiness was associated with Electronic Technicians who have been in the service longer, entered the service at an older age, have a greater time in grade and

TABLE 5

Readiness Coefficients

	Intuitive Results	Counter-Intuitive Results
FT Rating		
K1	YRACD	DEPLOY
K2	YRACD	DEPLOY
INDEX01	YRACD	
PRSCAUS	TMEGR	PRAGE
TECHASS	ENAGE	DEPLOY
	TMEGR	
FTG Rating		
K1	AFQT	LFILL
K2	AFQT	
K3	DEPLOY	LFILL
	HSDG	
INDEX01	HSDG	LFILL
	AFQT	
MEMRAC	DEPLOY	LFILL
TECHASS	HSDG	
	UFILL	
S		LFILL
T	AFQT	LFILL
FTM Rating		
INDEX01	UFILL	PRAGE
M	ENAGE	PRAGE
	PAYGRD	
S	PAYGRD	
T	PAYGRD	
DS Rating		
K2	UFILL	
MEMRAC		ENAGE
PRSCAUS		LFILL
TECHASS	UFILL	
S	UFILL	
T	UFILL	
SIG Rating		
K2		TMEGR
M		DEPLOY
		TMEGR
IC Rating		
K1		DEPLOY
K2	PAYGRD	DEPLOY
TECHASS	PAYGRD	
EM Rating		
K2		DEPLOY
K3	AFQT	
MEMRAC	DEPLOY	
	AFQT	
PRSCAUS	UFILL	
M	UFILL	

TABLE 5 (cont'd)

	Intuitive Results	Counter-Intuitive Results
GMT Rating		
K1	HSDG	ENAGE
	PRAGE	
	LFILL	
K2	HSDG	
	PRAGE	
INDEX01	PRAGE	
PRSCAUS	HSDG	
TECHASS	HSDG	
	PRAGE	
S	PRAGE	ENAGE
T	PRAGE	ENAGE
EN Rating		
K1		DEPLOY
		ENAGE
K2		DEPLOY
		ENAGE
K4	AFQT	YRACD
	ENAGE	
INDEX01	PRAGE	ENAGE
M	PRAGE	ENAGE
T	PRAGE	
GSM Rating		
K3	DEPLOY	
MEMRAC	DEPLOY	
S	HSDG	
ET Rating		
K1		DEPLOY
K2		DEPLOY
INDEX01		DEPLOY
MEMRAC	AFQT	

are presently younger. Total numbers of CASREPs, total level-2 CASREPs and the N.P.S. readiness index all were improved by having ET's who had increased years of active duty. Fewer personnel-based caused CASREPs were associated with ET's who were younger and who had more time-in grade. Fewer technical assistance requests were filed by ET's who were older when they entered the Navy and who had a greater time in grade. Contrary to the belief that being on deployment increases readiness, for the ET's, the total number of CASREPs, the number of Level-2 CASREPs and the number of technical assistance requests increased during a deployment.

TABLE 6

Frequency Distributions

Intuitive Results

Rating

	Frequency	Percent
GMT	11	21.15
FTG	10	19.23
ET	6	11.54
FTM	5	9.62
EM	5	9.62
EN	5	9.62
DS	4	7.69
GSM	3	5.77
IC	2	3.85
HT	1	1.92
STG	0	0.0

Personnel Attributes/Deployment

	Frequency	Percent
Present age	9	17.31
Percent E-6 and above onboard	8	15.38
High school degreed	8	15.38
AFQT Percentile	8	15.38
Deployment	5	9.62
Paygrade	5	9.62
Years of Active duty	3	5.77
Age at Entry	3	5.77
Time in grade	2	3.85
Percent E-5 and below onboard	1	1.92

Readiness Measures

	Frequency	Percent
Total Level-2 CASREPs	7	13.46
Nr of Technical Assist Calls	7	13.46
NPS Readiness Index	6	11.54
Total Number of CASREPs	5	9.62
Total Downtime Hours	5	9.62
SPCC Readiness Index	5	9.62
Maintenence Downtime	4	7.69
Supply Downtime	4	7.69
Personnel based CASREPs	3	5.77
Total Level-3 CASREPs	3	5.77
Total Level-4 CASREPs	2	3.85

TABLE 7

Frequency Distributions

Counter-Intuitive

Rating

	Frequency	Percent
EN	7	21.21
FTG	6	18.18
ET	4	12.12
STG	3	9.09
GMT	3	9.09
HT	3	9.09
FTM	2	6.06
DS	2	6.06
IC	2	6.06
EM	1	3.03
GSM	0	0.0

Personnel Attributes/Deployment

	Frequency	Percent
Deployment	12	36.36
Age at entry	8	24.24
Percent E-5 and below onboard	7	21.21
Present age	3	9.09
Time in grade	2	6.06
Years of active duty	1	3.03

Readiness Measures

	Frequency	Percent
Total CASREPs filed	7	21.21
Total Level-2 CASREPs filed	7	21.21
NPS Readiness Index	4	12.12
Maintenence downtime	4	12.12
Supply downtime	2	6.06
Total downtime hours	2	6.06
Total Level-3 CASREPs	1	3.03
Total Level-4 CASREPs	1	3.03
SPCC Readiness Index	1	3.03
Personnel-based CASREPs	1	3.03
Technical Assistance calls	1	3.03

Fire Control Technician (Guns) (FTG):

The high school graduate, the higher quality person as indicated by A.F.Q.T scores, being on deployment and having the required numbers of E-6 and above personnel assigned were all associated with enhanced readiness in the FTG rating. With better A.F.Q.T scores, the number of Level-2 CASREPs, the total number of CASREPs, and the total hours of downtime were all decreased. The number of Level-3 CASREPs were decreased by having high school degreed personnel and by being on deployment. The N.P.S readiness index was lowered by personnel with increased A.F.Q.T scores and more high-school degreed personnel. The number of technical assistance requests were decreased by increased numbers of high school degreed personnel and by increased numbers of E-6 and above FTG's onboard.

The total number of CASREPs, the number of Level-3 CASREPs, the number of hours awaiting supply parts and the total hours the equipment is down were all decreased with a lesser number of E-5 and below personnel. This counter-intuitive result appeared in only one other rating, Data System Technician, but was strongest for the FTG rating. Given the strong E-5 and below counter-manning indication and the strong quality and E-6 and above intuitive manning indication, an argument might be made, at least for the FTG's, for more experienced high quality personnel in the more senior paygrades.

Fire Control Technician (Missile) (FTM):

The results of the analyses for the FTM's seems to follow the experience argument of the FTG's. Higher paygrades, older age upon entering the service and a younger present age with the required numbers of E-6 and above personnel all led to enhanced readiness. The number of hours down for maintenance, the hours awaiting supply parts and the total hours down for repair were all decreased with

increased pay grade. In addition, personnel who were older when they entered the Navy, and relatively younger personnel decreased hours down for maintenance. The N.P.S. readiness index was improved by younger personnel and manning with E-6 and above personnel.

Data System Technician (DS):

As with the May et al. [Ref. 6] analysis for the Data System Technician, manning appeared to be the key issue associated with increased readiness. Manning at the E-6 and above level led to a lesser number of Level-2 CASREPs, a lesser number of calls for technical assistance, decreased hours awaiting for supply parts and decreased total time down. Younger personnel when they entered the service lowered the S.P.C.C. readiness index. Also, a lesser number of E-5 and below personnel was associated with a decrease in the number of personnel-based caused CASREPs.

Sonar Technician (Surface) (STG):

Increased readiness for the STG rating was associated with a shorter time in grade and not being on deployment. A decrease in the number of Level-2 CASREPs filed and the time the equipment was down for maintenance occurred with a decrease in the time spent in grade. Additionally, being on deployment increased the hours down for maintenance.

Interior Communications Electrician (IC):

For the IC rating, enhanced readiness was associated with higher paygrades and as with the STG's not being on deployment. The number of technical assistance requests and the number of Level-2 CASREPs decreased with increased paygrade. However, the number of Level-2 CASREPs as well as the total number of CASREPs increased while on deployment.

Electrians Mate (EM):

Higher quality personnel and being manned with the required numbers of E-6 and above personnel enhanced readiness for the EM's. Better A.F.Q.T. scores were

associated with decreased numbers of Level-3 CASREPs and a decreased S.P.C.C. readiness index. Increased manning at the E-6 and above level decreased the number of personnel-based CASREPs and the number of hours down for maintenance. For the EM's, being on deployment seemed to produce conflicting results since deployment decreased the S.P.C.C. readiness index while increasing the number of Level-2 CASREPs filed. The S.P.C.C. readiness index is a function of the number of Level-3 and Level-4 CASREPs and the associated downtime. While being on deployment increased the number of Level-2 CASREPs, on the aggregate, the number of Level-3 and Level-4 CASREPs and the associated downtime spent correcting the casualties decreased.

Gunners Mate technician (GMT):

The GMT rating had increased readiness with older, high school graduates who were younger when they entered the service. The total number of CASREPs filed, total number of level-2 CASREPs filed as well as the number of technical assistance requests all decreased with more high school graduates and older personnel. Older personnel also decreased the N.P.S. readiness index, the hours spent awaiting supply parts and the total hours the equipment was down. In addition, the total number of CASREPs, the hours awaiting supply parts and the total hours down all decreased with GMT's who entered the service at an earlier age. One other personnel characteristic was significant for the GMT's. An increase in the number of E-5 and below personnel decreased the total number of CASREPs filed.

Engiremen (EN):

Increased readiness for the EN's was associated with older, higher quality personnel and not being in a deployed status. Older present age led to a decrease in the N.P.S. readiness index, a decrease in the total number of hours the equipment was down for maintenance and a decrease in the

total number of hours the equipment was down. A younger age at enlistment was associated with a decrease in the total number of CASREPs filed, the total Level-2 CASREPs filed, the N.P.S. readiness index and the number of hours down for maintenance. Total Level-4 CASREPs filed decreased with increasing A.F.Q.T. scores and with decreasing years of active duty. Total CASREPs filed and the total number of Level-2 CASREPs filed increased when on deployment. An apparent anomaly existed in the EN analysis. Older age personnel at enlistment tended to have lower Level-4 CASREPs which was counter to the findings noted for the less severe CASREPs.

Gas Turbine Systems Technicians (Mechanical) (GSM):

Increased readiness for the GSM's was associated with more high school degreed personnel and with being on deployment. Serious CASREPs as indicated by the S.P.C.C. readiness index and the number of Level-3 CASREPs filed, decreased for the GSM's while on deployment. The number of hours down awaiting supply parts decreased with an increased number of high school graduates.

Hull Technicians (HT):

Being in a deployed status led to a decrease in readiness for the Hull Technician rating. While increased A.F.Q.T. scores improved the S.P.C.C. readiness index, being on deployment led to an increase in the total number of CASREPs filed, the total Level-2 CASREPs filed, and the N.P.S. readiness index.

IV. CONCLUSIONS AND RECOMMENDATIONS

A closer examination of Tables 6 and 7 tends to support the initial hypothesis that an older, more senior, higher quality force manned at authorized manning levels will lead to increased readiness. Almost 64 percent of those personnel attributes which were intuitively significant fall into the older, experience, quality category i.e. present age, percent E-6 and above onboard of authorized, high school degreed and A.F.Q.T. percentile. The personnel attribute "present age", however, only seemed to matter for two ratings, GMT and EN. Both of these ratings are similar in that both are concerned primarily with hydraulically and electrically run mechanical equipment. An examination of the counter-intuitive results reveals that a serviceman's age at entry was also significant a relatively large portion of the time. However, as with the attribute present age, age at entry is also associated almost entirely with the GMT and the EN ratings. Consequently, at least for these two ratings, an argument may be made that for enhanced readiness personnel should be older when they enter the service and have an older present age.

Consistent with May [Ref. 5] and May et al. [Ref. 6], both the personnel attributes high school degreed and A.F.Q.T. percentile were also significant a relatively large portion of the time. Additionally, these attributes were not confined to any one rating, but were found in a variety of ratings and occupational categories. The attribute "paygrade" is the fifth most active intuitively correct predictor. "Paygrade", like high school degreed and A.F.Q.T. percentile was not found significant in any one particular rating. Combining these three attributes, the

intuitively appealing picture that emerges is that a more senior force (as defined by paygrade) and a higher quality force (as defined by high school degreed and A.F.Q.T.) will enhance ship readiness.

Both the manning level characteristics were found to be good predictors of readiness. The two predictors were originally defined on the basis of percent of authorized onboard, by rating, who are the organizers, trainers, and administrators (E-6 and above); and the percent of authorized personnel onboard by rating who are the maintainers (E-5 and below). The E-6 and above characteristic, when significant, was always intuitively correct i.e. the more E-6 and above personnel, the better the readiness, and was found across several ratings (all electrically oriented). The E-5 and below characteristic, when significant, was almost always counter-intuitive i.e. a decrease in the number of E-5 and below personnel and an increase in readiness would result. Unlike the E-6 and above characteristic, the E-5 and below characteristic was found significant primarily with the FTG rating.

In the Spruance destroyers, the FTG's primary concern is the MK 86 Gunfire Control System. The Spruances were one of the first ships of the fleet to use this new gunfire control system. This new system was in many ways a radical change from the way the FTG's had been "doing business". The more senior FTG's were apparently more able to adapt and maintain this new equipment than the junior FTG's and consequently, were more critical to increased readiness. In fact in this case at least, the E-5 and below personnel were detrimental to readiness.

The predictor deployment was the final characteristic found to be significant a relatively large percentage of the time. While this predictor is not a personnel attribute or characteristic, some of the results from this analysis with

respect to this variable are worth noting. First, being on deployment was the single largest reason for decreased readiness. It effected a variety of ratings and occupational groups including ET, ST, IC, EM, EN, and HT. Second, an examination of the readiness criteria associated with the predictor deployment reveals that when the relationship of deployment to the criterion is counter-intuitive, the criterion is less severe, e.g., Level-2 CASREPs. When the relationship is intuitive, the criterion is at least Level-3 CASREPs or a criterion developed from the more severe CASREPs. Consequently, for several of the ratings, being on deployment means more Level-2 CASREPs, while for other ratings, being on deployment means less Level-3 CASREPs.

Speculation about this observation might be explained by the CASREP system. As part of the CASREP message, if parts are needed to correct the equipment casualty, the requisitioning of the part may be included in the CASREP message. The priority the supply system attaches to the needed part is dependent on the severity of the equipment casualty. However, this priority changes with a change in deployment status. The priority for a supply part for a Level-2 CASREP while on deployment is the same as the priority for a Level-3 CASREP when not in a deployed status. Consequently, the increased number of Level-2 CASREPs experienced by several of the ratings, might be more a reflection of the Naval Supply system than an actual decrease in equipment readiness. Indeed, one might infer that the CASREP system is more accurately reporting supply parts and status than equipment readiness.

A major stumbling block to all of the analyses of this type has been the inability to fully control for ship differences. Table 8 contains the R-squared values for the equations used in this analysis. As can be seen from the

TABLE 8

Models R-square Values

Dependent Variables	Ratings										
	GSM	HT	IC	EM	EN	STG	FTM	FTG	GMT	ET	DS
K1	.18	.17	.26	.17	.25	.10	.15	.22	.20	.24	.15
K2	.17	.17	.26	.15	.23	.11	.17	.14	.17	.24	.15
K3	.15	.08	.11	.16	.18	.06	.10	.21	.09	.08	.10
K4	.10	.09	.10	.09	.15	.08	.07	.11	--*	.11	.09
INDEX01	.22	.19	.24	.17	.23	.09	.15	.19	.14	.20	.14
MEMRAC	.15	.11	.14	.17	.21	.07	.10	.25	.10	.09	.12
PRSCAUS	.14	.11	.13	.16	.14	.09	.08	.09	.12	.18	.13
TECHASS	.11	.09	.15	.13	.15	.09	.09	.15	.12	.13	.15
M	.22	.16	.17	.15	.17	.07	.15	.11	.08	.17	.10
S	.13	.09	.14	.11	.18	.11	.11	.18	.19	.21	.11
T	.18	.15	.17	.13	.20	.09	.14	.19	.16	.21	.13

* No Level-4 CASREPs were reported for the GMT rating.

Table, each of the models explain only from 10 to 30 percent of the variations of the readiness criteria. Results such as this have been obtained in most of the previous modeling where CASREP data is used as a measure of ship readiness irrespective of how the independent variables are defined or aggregated. Given the low R-squared values for this analysis, even though much effort was spent in attempting to control for ship differences, deployment, overhaul, warranty effects, and length of service, the contributions to the model by the personnel attributes remain relatively small.

While the CASREP data set is, in its present form, an attractive and easy vehicle around which analyses of this type can be conducted, to date firm conclusive results have not been forthcoming. Alternative measures of readiness are available; some combination of these alternative criteria, in combination with the CASREP data, should be explored if

the perscnnel attributes to ship readiness problems are to be fully understood.

APPENDIX A

REGRESSION 'PRODUCTION' PROGRAM

```
DATA TRNSFRM1;SET FILEIN2.SHIPINFO;
     U=UIC+0;DROP UIC;IF SHIPTYPE='DD";
DATA TRNSFRM2 SET TRNSFRM1;UIC=U;DROP U;
DATA TRNSFRM3 SET FILEIN3.AGGCASRP;
     U=UIC+0;DROP UIC;IF RATNGEIC='+++';
DATA TRNSFRM4 SET TRNSFRM3;UIC=U;DROP U;
PROC SORT BY UIC QUARTER;
DATA TRNSFRM5 SET FILEIN1.READY+++;U=UIC+0;DROP JIC;
DATA SPRUANCE SET TRNSFRM5;UIC=U;DROP U;
PROC SORT
 BY UIC QUARTER;
DATA TRNSFRM6 SET FILEIN4.INTSMD;U=UIC+0;DROP UIC;
DATA TRNSFRM7 SET TRNSFRM6;UIC=U;DROP U;

DATA COMB1;MERGE
     SPRUANCE TRNSFRM4;BY UIC QUARTER;
DATA COMBO MERGE
      COMB1 TRNSFRM2 TRNSFRM7;BY UIC;

   ARRAY Y (J) SRVQRT01-SRVQRT27;
          DO OVER Y;
        IF QUARTER=J THEN SERVICE=Y;
          END;DROP J SRVQRT01-SRVQRT27;
   ARRAY Q (R) QRTEND01-QRTEND27;
          DO OVER Q;
        IF QUARTER=R THEN QRTDATE=Q;
          END;DROP R QRTEND01-QRTEND27;
  IF   (WARRANTY-QRTDATE)   GE   0   THEN   PREWRNTY=1;ELSE
PREWRNTY=0;

*-------------------------------------------------------------
  IN  THE  NEXT  SECTION,    PREVIOUSLY  ''MISSING''  CASREP
DOWNTIME INFORMATION IS RECODED TO THE VALUE 0.   COLLATERAL
ANALYSIS   REVEALED   SOME    NON-OVERHAUL   QUARTERS   WITH
''MISSING'' DOWNTIME DATA, SUGGESTING ''PERFECT'' READINESS.
AS  A CONSEQUENCE,   ALL  ''MISSING''  CASREP INFORMATION  IS
CODED  ZERO,  UNDER  THE  ASSUMPTION  OF INCLUDING  A  DUMMY
VARIABLE (VIZ., OVERHAUL) AS A CONTROL FOR OVERHAUL QUARTERS
IN              ANY                  LINEAR                MODEL.
-------------------------------------------------------------

      ARRAY  X (I)   K1  K2 K3  K4  INDEX01 MEMRAC  PRSCAUSE
TECHASS M S T LRATEE URATEE;  DO  OVER X;  IF X=.  THEN X=0;
END;DROP I;

*-------------------------------------------------------------
IN THIS SECTION  THE VARIABLES UFILL AND  LFILL ARE DEFINED.
*-------------------------------------------------------------

UFILL+++=(URATEE/URATE+++)*100;
LFILL+++=(LRATEE/LRATE+++)*100;

*-------------------------------------------------------------
IN  THIS   SECTION,   THE  VARIABLE  OVERHAUL   IS  DEFINED.
*-------------------------------------------------------------

IF  ((UIC=574)    AND   ((QUARTER=1)   OR   (QUARTER=18)   OR
(QUARTER=2))) THEN OVERHAUL=1;
```

```
IF ((UIC=575)   AND ((QUARTER=18)   OR (QUARTER=19)))   THEN
CVERHAUL=1
IF ((UIC=586) AND (QUARTER=5)) THEN OVERHAUL=1
IF ((UIC=587) AND (QUARTER=22)) THEN OVERHAUL=1
IF ((UIC=588) AND ((QUARTER=1) OR (QUARTER=2) OR (QUARTER=3)
CR  (QUARTER=6)  OR  (QUARTER=22)   OR (QUARTER=23)))   THEN
CVERHAUL=1;
IF  ((UIC=589)     AND  ((QUARTER=4)     OR  (QUARTER=9)     OR
(QUARTER=26)))  THEN CVERHAUL=1;
IF  ((UIC=590)     AND  ((QUARTER=5)     CR  (QUARTER=9)     OR
(QUARTER=10)))  THEN CVERHAUL=1;
IF ((UIC=591) AND (QUARTER=24)) THEN OVERHAUL=1
IF ((UIC=601)   AND ((QUARTER=25)   OR (QUARTER=26)))   THEN
CVERHAUL=1
IF ((UIC=611) AND (QUARTER=13)) THEN OVERHAUL=1
IF OVERHAUL=. THEN OVERHAUL=0

*-------------------------------------------------------------
IN THIS  SECTION THE VARIABLE  DEPFLT IS DEFINED  TO CONTROL
FOR      SHIP      EFFECTS     DUE      TO      DEPLOYMENTS.
*-------------------------------------------------------------

IF ((QUARTER=7) AND (UIC=575)) THEN DEPFLT=1
IF ((QUARTER=8) AND (UIC=575)) THEN DEPFLT=1
IF ((QUARTER=9) AND (UIC=575)) THEN DEPFLT=1
IF ((QUARTER=10) AND ((UIC=574)
  OR (UIC=576) OR (UIC=586)) THEN DEPFLT=1;
IF ((QUARTER=11) AND ((UIC=574) OR (UIC=576)
  OR (UIC=586) OR (UIC=587) OR (UIC=588))) THEN DEPFLT=1;
IF ((QUARTER=12) AND ((UIC=587) OR (UIC=588))) THEN DEPFLT=1
IF ((QUARTER=13) AND ((UIC=587) OR (UIC=588) OR (UIC=589)
  OR (UIC=590) OR (UIC=591)) THEN DEPFLT=1;
IF ((QUARTER=14) AND ((UIC=575) OR (UIC=589)
  OR (UIC=590) OR (UIC=591)) THEN DEPFLT=1;
IF ((QUARTER=15) AND ((UIC=574) OR (UIC=575)
  OR (UIC=591) OR (UIC=601)) THEN DEPFLT=1;
IF ((QUARTER=16) AND ((UIC=575) OR (UIC=576)
  OR (UIC=586)   OR (UIC=598)   OR (UIC=600)   OR (JIC=601)  OR
(UIC=602) OR
  (UIC=603) OR (UIC=604))) THEN DEPFLT=1;
IF ((QUARTER=17) AND ((UIC=576) OR (UIC=586)
  OR (UIC=589)   OR (UIC=598)   OR (UIC=600)   OR (JIC=601)  OR
(UIC=602)
  OR (UIC=603) OR (UIC=604) OR (UIC=611))) THEN DEPFLT=1;
IF ((QUARTER=18) AND ((UIC=576)
  OR (UIC=586)   OR (UIC=587)   OR (UIC=589)   OR (UIC=598)  OR
(UIC=599)
  OR (UIC=600) OR (UIC=611)) THEN DEPFLT=1;
IF ((QUARTER=19) AND ((UIC=587) OR (UIC=590)  OR (UIC=599)))
THEN DEPFLT=1;
IF ((QUARTER=20) AND ((UIC=587) OR (UIC=590) OR (UIC=591)
  OR (UIC=599))) THEN DEPFLT=1;
IF ((QUARTER=21) AND ((UIC=590) OR (UIC=591))) THEN DEPFLT=1
IF ((QUARTER=22) AND ((UIC=589) OR (UIC=591) OR (UIC=598) OR
  (UIC=600) OR (UIC=601)  OR (UIC=603)  OR (UIC=611)))  THEN
DEPFLT=1;
IF ((QUARTER=23) AND ((UIC=574)
  OR (UIC=589)   OR (UIC=598)   OR (UIC=600)   OR (JIC=601)  OR
(UIC=603)
  OR (UIC=611)) THEN DEPFLT=1;
IF ((QUARTER=24) AND ((UIC=574) OR (UIC=575) OR (UIC=598)
  OR (UIC=599) OR (UIC=600)) THEN DEPFLT=1;
IF ((QUARTER=25) AND ((UIC=575) OR (UIC=599) OR (UIC=600)))
  THEN DEPFLT=1;
IF ((QUARTER=26) AND ((UIC=576) OR (UIC=599)  OR (UIC=604)))
THEN DEPFLT=1;
IF ((QUARTER=27) AND ((UIC=574) OR (UIC=576)  OR (UIC=604)))
THEN DEPFLT=1;
IF DEPFLT=. THEN DEPFIT=0
```

```
*-------------------------------------------------------------
EFFECT CODES (-1,0,1) ARE NOW ASSIGNED TO EACH OF THE SHIPS
BY UIC WITH USS SPRUANCE (DD-963)-UIC 574 ASSIGNED -1.
*-------------------------------------------------------------

IF UIC=611 THEN UICEFF01=1; IF ((UIC NE 611) AND (UIC NE
574)) THEN UICEFF01=0; IF UIC=574 THEN UICEFF01=-1;

IF UIC=604 THEN UICEFF02=1; IF ((UIC NE 604) AND (UIC NE
574)) THEN UICEFF02=0; IF UIC=574 THEN UICEFF02=-1;

IF UIC=603 THEN UICEFF03=1; IF ((UIC NE 603) AND (UIC NE
574)) THEN UICEFF03=0; IF UIC=574 THEN UICEFF03=-1;

IF UIC=602 THEN UICEFF04=1; IF ((UIC NE 602) AND (UIC NE
574)) THEN UICEFF04=0; IF UIC=574 THEN UICEFF04=-1;

IF UIC=601 THEN UICEFF05=1; IF ((UIC NE 601) AND (UIC NE
574)) THEN UICEFF05=0; IF UIC=574 THEN UICEFF05=-1;

IF UIC=600 THEN UICEFF06=1; IF ((UIC NE 600) AND (UIC NE
574)) THEN UICEFF06=0; IF UIC=574 THEN UICEFF06=-1;

IF UIC=599 THEN UICEFF07=1; IF ((UIC NE 599) AND (UIC NE
574)) THEN UICEFF07=0; IF UIC=574 THEN UICEFF07=-1;

IF UIC=598 THEN UICEFF08=1; IF ((UIC NE 598) AND (UIC NE
574)) THEN UICEFF08=0; IF UIC=574 THEN UICEFF08=-1;

IF UIC=591 THEN UICEFF09=1; IF ((UIC NE 591) AND (UIC NE
574)) THEN UICEFF09=0; IF UIC=574 THEN UICEFF09=-1;

IF UIC=590 THEN UICEFF10=1; IF ((UIC NE 590) AND (UIC NE
574)) THEN UICEFF10=0; IF UIC=574 THEN UICEFF10=-1;

IF UIC=589 THEN UICEFF11=1; IF ((UIC NE 589) AND (UIC NE
574)) THEN UICEFF11=0; IF UIC=574 THEN UICEFF11=-1;

IF UIC=588 THEN UICEFF12=1; IF ((UIC NE 588) AND (UIC NE
574)) THEN UICEFF12=0; IF UIC=574 THEN UICEFF12=-1;

IF UIC=587 THEN UICEFF13=1; IF ((UIC NE 587) AND (UIC NE
574)) THEN UICEFF13=0; IF UIC=574 THEN UICEFF13=-1;

IF UIC=586 THEN UICEFF14=1; IF ((UIC NE 586) AND (UIC NE
574)) THEN UICEFF14=0; IF UIC=574 THEN UICEFF14=-1;

IF UIC=576 THEN UICEFF15=1; IF ((UIC NE 576) AND (UIC NE
574)) THEN UICEFF15=0; IF UIC=574 THEN UICEFF15=-1;

IF UIC=575 THEN UICEFF16=1; IF ((UIC NE 575) AND (UIC NE
574)) THEN UICEFF16=0; IF UIC=574 THEN UICEFF16=-1;

*-------------------------------------------------------------
CERTAIN UN-LABELLED VARIABLES ARE NOW GIVEN LABELS.
-------------------------------------------------------------

     LABEL
     SERVICE =NUMBER OF DAYS SINCE COMMISSIONING
     PREWRNTY=IF SHIP WAS WITHIN WARRANTY PERIOD
     UICEFF01=DD979--CONOLLY
     UICEFF02=DD978--STUMP
     UICEFF03=DD977--ERISCOE
     UICEFF04=DD976--MERRILL
     UICEFF05=DD975--O''BRIEN
     UICEFF06=DD974--COMTE DE GRASSE
     UICEFF07=DD973--J YOUNG
     UICEFF08=DD972--OLDENDORF
```

```
     UICEFF09=DD971--D. R. RAY
     UICEFF10=DD970--CARON
     UICEFF11=DD969--PETERSON
     UICEFF12=DD968--A. W. RADFORD
     UICEFF13=DD967--ELLIOT
     UICEFF14=DD966--HEWITT
     UICEFF15=DD965--KINKAID
     UICEFF16=DD964--P. F. FOSTER
     DEPFIT=DEPLOYED QUARTERS
     UFILL+++=PERCENT FIRST CLASS AND ABOVE ONBOARD
     LFILL+++=PERCENT SECOND CLASS AND BELOW ONBOARD
     OVERHAUL=OVERHAUL QUARTERS, WITH C5 QUARTER AS 1;

*-------------------------------------------------------------*
REGRESSION  EQUATIONS ARE  NOW RUN  FOR  EACH RATING,  EACH
DEPENDENT  VARIABLE  AND  ALL  THE  INDEPENDENT  VARIABLES.
*-------------------------------------------------------------*

PROC REG DATA=COMBO SIMPLE;MODELK1--T=

UICEFF01--UICEFF16 SERVICE PREWRNTY  OVERHAUL DEPFIT HSDG+++
AFQT+++ ENAGE+++ PRAGE+++  PAYGR+++ YRACD+++ TMEGR++UFILL+++
LFILL+++;

CUTPUT  CUT=EXPECTED  P=PK1  PK2 PK3  PK4  PINDEX01  PMEMRAC
PPRSCSE PTECHASS PM PS PT;

TITLE READINESS REGRESSIONS FOR THE  +++ RATING-EIC DEPLOY T
IT 2000;

PROC SORT DATA=EXPECTED;BY QUARTER;

PROC MEANS NOPRINT ;BY QUARTER;VAR  UFILL+++ LFILL++K1 K2 K3
K4 INDEX01  MEMRAC PRSCAUSE TECHASS  M S  T PK1 PK2  PK3 PK4
PINDEX01 PMEMRAC PPRSCSE PTECHASS PM PS PT;
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APPENDIX B

ANALYSIS MODELS

READINESS REGRESSIONS FOR THE ET RATING

DEP VARIABLE: K1 TOTAL NUMBER OF CASREPS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	942.761	32.508992	3.864	0.0001
ERROR	358	3011.868	8.413039		
C TOTAL	387	3954.629			
ROOT MSE		2.900524	R-SQUARE		0.2384
DEP MEAN		3.469072	ADJ R-SQ		0.1767
C.V.		83.61094			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEP	1	4.244651	8.000434	0.531
UICEFF01	1	-1.996658	0.682848	-2.924
UICEFF02	1	0.864613	0.680823	1.270
UICEFF03	1	-0.791742	0.692693	-1.143
UICEFF04	1	-0.099442	0.705071	-0.141
UICEFF05	1	1.235534	0.668035	1.850
UICEFF06	1	-0.017001	0.706451	-0.024
UICEFF07	1	-0.551131	0.688324	-0.801
UICEFF08	1	-2.248649	0.665960	-3.377
UICEFF09	1	1.492845	0.627249	2.380
UICEFF10	1	0.497318	0.655525	0.759
UICEFF11	1	0.722938	0.597254	1.210
UICEFF12	1	-0.081535	0.630573	-0.129
UICEFF13	1	2.296794	0.617942	3.717
UICEFF14	1	-0.945169	0.603971	-1.565
UICEFF15	1	-0.359430	0.587736	-0.612
UICEFF16	1	0.785594	0.639910	1.228
SERVICE	1	-0.000210225	0.0003449934	-0.609
PREWENTY	1	1.831587	0.619322	2.957
OVERHAUL	1	-4.151411	0.678168	-6.122
DEPFIT	1	0.897831	0.369899	2.427
HSDGET	1	0.019825	0.055174	0.359
AFQTET	1	0.035675	0.035279	1.011
ENAGEET	1	-0.496648	0.291413	-1.704
PRAGEET	1	0.188657	0.174509	1.081
PAYGRET	1	0.408296	0.387786	1.053
YRACDET	1	-0.719331	0.239228	-3.007
TMEGRET	1	0.007030084	0.028281	0.249
UFILLET	1	-.0000560643	0.005524499	-0.010
LFILLET	1	0.005457714	0.007517022	0.726

DEP VARIABLE: K2 TOTAL NUMBER OF C-2 CASREPS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	840.056	28.967446	3.804	0.0001
ERROR	358	2725.972	7.614448		
C TOTAL	387	3566.028			
ROOT MSE		2.759429	R-SQUARE		0.2356
DEP MEAN		3.152062	ADJ R-SQ		0.1736
C.V.		87.54362			

	PARAMETER	STANDARD	T FOR H0:

VARIABLE	DF	ESTIMATE	ERROR	PARAMETER=0
INTERCEP	1	1.695481	7.611256	0.223
UICEFF01	1	-1.851048	0.649631	-2.849
UICEFF02	1	0.786326	0.647704	1.214
UICEFF03	1	-0.691720	0.658997	-1.050
UICEFF04	1	0.114772	0.670773	0.171
UICEFF05	1	1.111136	0.635539	1.748
UICEFF06	1	0.274194	0.672086	0.408
UICEFF07	1	-0.479781	0.654841	-0.733
UICEFF08	1	-2.235885	0.633565	-3.529
UICEFF09	1	1.316607	0.596737	2.206
UICEFF10	1	0.351783	0.623638	0.564
UICEFF11	1	0.570997	0.568201	1.005
UICEFF12	1	-0.228257	0.599899	-0.380
UICEFF13	1	2.270374	0.587883	3.862
UICEFF14	1	-1.047283	0.574591	-1.823
UICEFF15	1	-0.304153	0.559145	-0.544
UICEFF16	1	1.010212	0.608782	1.659
SERVICE	1	-0.000219167	0.00003282113	-0.668
PREWRNTY	1	1.603720	0.589196	2.722
OVERHAUI	1	-3.740889	0.645178	-5.798
DEPFLT	1	0.886577	0.351905	2.519
HSDGET	1	0.034062	0.052490	0.649
AFQTET	1	0.027378	0.033563	0.816
ENAGET	1	-0.369985	0.277237	-1.335
PRAGET	1	0.156291	0.166020	0.941
PAYGRET	1	0.438169	0.368922	1.188
YRACLET	1	-0.672138	0.227591	-2.953
TMEGRET	1	-0.00361751	0.026906	-0.134
UFILLET	1	-0.00259528	0.005255762	-0.494
LFILLET	1	0.005058487	0.007151359	0.707

DEP VARIABLE: K4 TOTAL NUMBER OF C-4 CASREPS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	2.579431	0.088946	1.512	0.0464
ERROR	358	21.057167	0.058819		
C TOTAL	387	23.636598			
ROOT MSE		0.242526	R-SQUARE		0.1091
DEP MEAN		0.059278	ADJ R-SQ		0.0370
C.V.		409.131			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEP	1	1.155388	0.668953	1.727
UICEFF01	1	-0.079328	0.057096	-1.389
UICEFF02	1	-0.058620	0.056927	-1.030
UICEFF03	1	0.080446	0.057919	1.389
UICEFF04	1	-0.026327	0.058954	-0.447
UICEFF05	1	0.060193	0.055857	1.078
UICEFF06	1	-0.084858	0.059070	-1.437
UICEFF07	1	0.068685	0.057554	1.193
UICEFF08	1	0.042330	0.055684	0.760
UICEFF09	1	0.006584796	0.052447	0.126
UICEFF10	1	-0.060566	0.054811	-1.105
UICEFF11	1	-0.004514l8	0.049939	-0.090
UICEFF12	1	-0.048008	0.052725	-0.911
UICEFF13	1	0.011275	0.051669	0.218
UICEFF14	1	0.022530	0.050501	0.446
UICEFF15	1	-0.0015193	0.049143	-0.031
UICEFF16	1	-0.060717	0.053506	-1.135
SERVICE	1	-.0000566366	.00002884648	-1.963
PREWRNTY	1	0.012402	0.051784	0.239
OVERHAUI	1	-0.050817	0.056705	-0.896
DEPFLT	1	0.002668904	0.030929	0.086
HSDGET	1	-0.0035855	0.004613323	-0.777

AFQTET	1	0.002680304	0.002949814	0.909
ENAGEET	1	-0.042732	0.024366	-1.754
PRAGEET	1	-0.0081334	0.014592	-0.557
PAYGEET	1	0.001442058	0.032425	0.044
YRACDET	1	0.024868	0.020003	1.243
TMEGEET	1	-0.00051568	0.00236473	-0.218
UFILLET	1	0.0003693651	0.0004619287	0.800
LFILLET	1	-0.000448592	0.0006285326	-0.714

DEP VARIABLE: INDEX01 LOG-TRANSFORMED READINESS INDEX (NPS)

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	48.388533	1.668570	3.094	0.0001
ERROR	358	193.058	0.539267		
C TOTAL	387	241.446			
ROOT MSE		0.734348	R-SQUARE		0.2004
DEP MEAN		0.756650	ADJ R-SQ		0.1356
C.V.		97.0525			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEP	1	1.916695	2.025532	0.946
UICEFF01	1	-0.404561	0.172882	-2.340
UICEFF02	1	0.017724	0.172369	0.103
UICEFF03	1	-0.163084	0.175375	-0.930
UICEFF04	1	-0.009962228	0.178508	-0.054
UICEFF05	1	0.382953	0.169132	2.264
UICEFF06	1	0.002306169	0.178858	0.013
UICEFF07	1	-0.019323	0.174268	-0.111
UICEFF08	1	-0.418885	0.168606	-2.484
UICEFF09	1	0.659865	0.158806	4.155
UICEFF10	1	-0.040346	0.165964	-0.243
UICEFF11	1	0.025378	0.151211	0.168
UICEFF12	1	-0.134857	0.159647	-0.845
UICEFF13	1	0.410240	0.156449	2.622
UICEFF14	1	-0.152193	0.152912	-0.995
UICEFF15	1	0.040440	0.148802	0.272
UICEFF16	1	0.087455	0.162011	0.540
SERVICE	1	.00009474763	.00008734465	1.085
PREWRNTY	1	0.490472	0.156799	3.128
OVERHAUL	1	-0.842337	0.171697	-4.906
DEPFLT	1	0.042033	0.093650	0.449
HSDGET	1	-0.0006636586	0.013969	-0.046
AFQTET	1	0.007814127	0.008931784	0.875
ENAGEET	1	-0.129327	0.073779	-1.753
PRAGEET	1	0.037056	0.044182	0.839
PAYGEET	1	0.025381	0.098179	0.259
YRACDET	1	-0.174499	0.060567	-2.881
TMEGEET	1	0.006871421	0.0071602	0.960
UFILLET	1	0.001723213	0.00139868	1.232
LFILLET	1	0.001141298	0.001903143	0.600

DEP VARIABLE: PRSCAUSE TOTAL OF PRESUMED PERSONNEL-BASED CAUSES

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	100.935	3.480504	2.610	0.0001
ERROR	358	477.385	1.333478		
C TOTAL	387	578.320			
ROOT MSE		1.154763	R-SQUARE		0.1745
DEP MEAN		0.798969	ADJ R-SQ		0.1077
C.V.		144.5316			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0

INTERCEP	1	-3.544666	3.185150	-1.113
UICEFF01	1	-0.501308	0.271857	-1.844
UICEFF02	1	-0.366457	0.271051	-1.352
UICEFF03	1	-0.519212	0.275777	-1.883
UICEFF04	1	0.502870	0.280704	1.791
UICEFF05	1	-0.285421	0.265960	-1.073
UICEFF06	1	-0.014360	0.281254	-0.051
UICEFF07	1	0.037159	0.274037	0.136
UICEFF08	1	-0.226821	0.265134	-0.855
UICEFF09	1	0.912019	0.249722	3.652
UICEFF10	1	0.012942	0.260979	0.050
UICEFF11	1	-0.383743	0.237780	-1.614
UICEFF12	1	0.292738	0.251045	1.166
UICEFF13	1	0.512494	0.246017	2.083
UICEFF14	1	0.484771	0.240454	2.016
UICEFF15	1	-0.146980	0.233991	-0.628
UICEFF16	1	-0.047269	0.254762	-0.186
SERVICE	1	-0.000135347	0.00001373495	-0.985
PREWRNTY	1	0.333562	0.246566	1.353
OVERHAUL	1	-0.977236	0.269994	-3.619
DEPFLT	1	0.231869	0.147265	1.575
HSDGET	1	0.013600	0.021966	0.619
AFQTET	1	0.014024	0.014045	0.998
ENAGEET	1	-0.095369	0.116018	-0.822
PRAGEET	1	0.168073	0.069476	2.419
PAYGRET	1	0.106485	0.154386	0.690
YRACDET	1	-0.128336	0.095242	-1.347
TMEGRET	1	-0.024684	0.011259	-2.192
UFILLET	1	-0.0010619	0.00219426	-0.483
LFILLET	1	0.004012641	0.002992693	1.341

DEP VARIABLE: TECHASS NUMBER OF TECHNICAL ASSISTANCE REQUESTS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	81.342471	2.804913	1.892	0.0043
ERROR	358	530.750	1.482543		
C TOTAL	387	612.093			
ROOT MSE		1.217597	R-SQUARE		0.1329
DEP MEAN		0.840206	ADJ R-SQ		0.0627
C.V.		144.9165			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEP	1	2.963956	3.358464	0.883
UICEFF01	1	-0.429282	0.286650	-1.498
UICEFF02	1	-0.122229	0.285799	-0.428
UICEFF03	1	0.571080	0.290782	1.964
UICEFF04	1	-0.136264	0.295978	-0.460
UICEFF05	1	-0.057681	0.280431	-0.206
UICEFF06	1	0.152239	0.296558	0.513
UICEFF07	1	-0.276435	0.288948	-0.957
UICEFF08	1	-0.434724	0.279560	-1.555
UICEFF09	1	0.655054	0.263310	2.488
UICEFF10	1	0.271161	0.275180	0.985
UICEFF11	1	0.201367	0.250718	0.803
UICEFF12	1	-0.122772	0.264705	-0.464
UICEFF13	1	0.076967	0.259403	0.297
UICEFF14	1	-0.185258	0.253538	-0.731
UICEFF15	1	-0.092078	0.246723	-0.373
UICEFF16	1	0.225751	0.268625	0.840
SERVICE	1	.000042273 22	0.00001448231	0.292
PREWRNTY	1	0.273002	0.259982	1.050
OVERHAUL	1	-0.926066	0.284685	-3.253
DEPFLT	1	0.295348	0.155278	1.902
HSDGET	1	0.019181	0.023161	0.828

AFQTET	1	0.014258	0.014809	0.963
ENAGEET	1	-0.273070	0.122331	-2.232
PRAGEET	1	0.074675	0.073256	1.019
PAYGRET	1	-0.091483	0.162787	-0.562
YRACDET	1	-0.120069	0.100425	-1.196
TMEGRET	1	-0.024314	0.011872	-2.048
UFILLET	1	-0.0019109	0.0C2319103	-0.824
LFILLET	1	-0.00300095	0.003155535	-0.951

DEP VARIABLE: M TOTAL HOURS DOWNTIME DUE TO MAINTENANCE

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	57992267	1999733	2.537	0.0001
ERROR	358	282239421	788378		
C TOTAL	387	340231688			
ROOT MSE		887.907	R-SQUARE		0.1704
DEP MEAN		695.369	ADJ R-SQ		0.1033
C.V.		127.6886			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEP	1	2311.288	2449.088	0.944
UICEFF01	1	-259.256	209.033	-1.240
UICEFF02	1	-112.467	208.413	-0.540
UICEFF03	1	-213.027	212.047	-1.005
UICEFF04	1	30.207123	215.836	0.140
UICEFF05	1	485.121	204.499	2.372
UICEFF06	1	-64.318471	216.258	-0.297
UICEFF07	1	194.427	210.709	0.923
UICEFF08	1	-492.452	203.863	-2.416
UICEFF09	1	860.935	192.013	4.484
UICEFF10	1	-220.437	200.669	-1.099
UICEFF11	1	-211.393	182.831	-1.156
UICEFF12	1	-230.039	193.031	-1.192
UICEFF13	1	324.977	189.164	1.718
UICEFF14	1	-34.787491	184.887	-0.188
UICEFF15	1	229.767	179.917	1.277
UICEFF16	1	63.550911	195.889	0.324
SERVICE	1	0.218786	0.105609	2.072
PREWRNTY	1	681.334	189.587	3.594
OVERHAUL	1	-768.753	207.600	-3.703
DEPFIT	1	-80.825595	113.233	-0.714
HSDGET	1	-4.741151	16.889730	-0.281
AFQTET	1	6.927638	10.799496	0.641
ENAGEET	1	-120.320	89.207159	-1.349
PRAGEET	1	6.469708	53.420631	0.121
PAYGRET	1	40.980359	118.709	0.345
YRACDET	1	-111.673	73.232464	-1.525
TMEGRET	1	6.836394	8.657460	0.790
UFILLET	1	0.984607	1.691157	0.582
LFILLET	1	2.376087	2.301106	1.033

DEP VARIABLE: S TOTAL HOURS DOWNTIME DUE TO SUPPLY

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	156663351	5402185	3.357	0.0001
ERROR	358	576145993	1609346		
C TOTAL	387	732809344			
ROOT MSE		1268.600	R-SQUARE		0.2138
DEP MEAN		1222.902	ADJ R-SQ		0.1501
C.V.		103.7369			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0

INTERCEP	1	1674.276	3499.144	0.478
UICEFF01	1	-572.624	298.657	-1.917
UICEFF02	1	-30.877021	297.771	-0.104
UICEFF03	1	-613.541	302.963	-2.025
UICEFF04	1	-31.454014	308.376	-0.102
UICEFF05	1	711.409	292.178	2.435
UICEFF06	1	172.180	308.980	0.557
UICEFF07	1	-260.276	301.052	-0.865
UICEFF08	1	-921.687	291.271	-3.164
UICEFF09	1	-12.799178	274.340	-0.047
UICEFF10	1	410.507	286.707	1.432
UICEFF11	1	984.021	261.220	3.767
UICEFF12	1	-80.682519	275.793	-0.293
UICEFF13	1	811.988	270.269	3.004
UICEFF14	1	-527.230	264.159	-1.996
UICEFF15	1	-306.876	257.058	-1.194
UICEFF16	1	564.190	279.877	2.016
SERVICE	1	-0.213893	0.150890	-1.418
PREWRNTY	1	530.421	270.873	1.958
OVERHAUL	1	-1579.853	296.610	-5.326
DEPFIT	1	400.588	161.782	2.476
HSDGET	1	-12.263849	24.131268	-0.508
AFQTET	1	4.179871	15.429823	0.271
ENAGEET	1	-35.048779	127.455	-0.275
PRAGEET	1	26.466669	76.324936	0.347
PAYGRET	1	264.388	169.606	1.559
YRACDET	1	-122.866	104.631	-1.174
TMEGRET	1	-2.159832	12.369379	-0.175
UFILLET	1	-2.126540	2.416246	-0.880
LFILLET	1	1.627483	3.287715	0.495

DEP VARIABLE: T TOTAL HOURS DOWNTIME

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	298514800	10293614	3.340	0.0001
ERROR	358	1103310812	3081874		
C TOTAL	387	1401825613			

ROOT MSE	1755.527	R-SQUARE	0.2129
DEP MEAN	1918.271	ADJ R-SQ	0.1492
C.V.	91.51611		

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEP	1	3985.564	4842.220	0.823
UICEFF01	1	-831.880	413.290	-2.013
UICEFF02	1	-143.344	412.064	-0.348
UICEFF03	1	-826.568	419.249	-1.972
UICEFF04	1	-1.246891	426.741	-0.003
UICEFF05	1	1196.530	404.325	2.959
UICEFF06	1	107.861	427.576	0.252
UICEFF07	1	-65.848596	416.605	-0.158
UICEFF08	1	-1414.139	403.069	-3.508
UICEFF09	1	848.136	379.639	2.234
UICEFF10	1	190.070	396.753	0.479
UICEFF11	1	772.628	361.485	2.137
UICEFF12	1	-310.721	381.651	-0.814
UICEFF13	1	1136.964	374.006	3.040
UICEFF14	1	-562.017	365.550	-1.537
UICEFF15	1	-77.108555	355.724	-0.217
UICEFF16	1	627.741	387.302	1.621
SERVICE	1	0.004893195	0.208805	0.023
PREWRNTY	1	1211.755	374.842	3.233
OVERHAUL	1	-2348.606	410.457	-5.722
DEPFIT	1	319.763	223.879	1.428
HSDGET	1	-17.005000	33.393567	-0.509
AFQTET	1	11.107510	21.352248	0.520
ENAGEET	1	-155.368	176.376	-0.881

PRAGEET	1	32.936377	105.621	0.312
PAYGEET	1	305.368	234.705	1.301
YRACDET	1	-234.539	144.792	-1.620
TMEGEET	1	4.676562	17.117115	0.273
UFILLET	1	-1.141933	3.343674	-0.342
LFILLET	1	4.003570	4.549637	0.880

READINESS REGRESSIONS FOR THE FTG RATING

DEP VARIABLE: K1 TOTAL NUMBER OF CASREPS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	186.351	6.425900	3.366	0.0001
ERROR	356	679.641	1.909104		
C TOTAL	385	865.992			
ROOT MSE		1.381703	R-SQUARE		0.2152
DEP MEAN		1.463731	ADJ R-SQ		0.1513
C.V.		94.39602			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEP	1	4.572165	2.691314	1.699
UICEFF01	1	0.180838	0.350932	0.515
UICEFF02	1	-0.125540	0.401003	-0.313
UICEFF03	1	-0.089962	0.354976	-0.253
UICEFF04	1	-0.502337	0.304946	-1.647
UICEFF05	1	0.472744	0.313578	1.508
UICEFF06	1	-0.171482	0.327535	-0.524
UICEFF07	1	0.393558	0.366800	1.073
UICEFF08	1	-0.993114	0.314348	-3.159
UICEFF09	1	-0.070941	0.356657	-0.199
UICEFF10	1	0.764032	0.317968	2.403
UICEFF11	1	0.057714	0.288944	0.200
UICEFF12	1	-0.00408776	0.305186	-0.013
UICEFF13	1	-0.222858	0.322788	-0.690
UICEFF14	1	-0.635341	0.316824	-2.005
UICEFF15	1	0.153530	0.288728	0.532
UICEFF16	1	0.607514	0.290318	2.093
SERVICE	1	-0.000257171	0.0001854936	-1.386
PREWENTY	1	0.836815	0.281784	2.970
OVERHAUL	1	-1.707961	0.319173	-5.351
DEPFIT	1	-0.090136	0.175914	-0.512
HSDGFTG	1	-0.015912	0.011394	-1.397
AFQTFTG	1	-0.025853	0.010804	-2.393
ENAGEFTG	1	-0.042456	0.133998	-0.317
PRAGEFTG	1	-0.00773253	0.091048	-0.085
PAYGEFTG	1	0.102754	0.201506	0.510
YRACDFTG	1	0.100540	0.104717	0.960
TMEGEFTG	1	0.009999749	0.011508	0.869
UFILLFTG	1	-0.000287004	0.002406036	-0.119
LFILLFTG	1	0.006348746	0.002584676	2.456

DEP VARIABLE: K2 TOTAL NUMBER OF C-2 CASREPS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	73.617516	2.538535	2.052	0.0014
ERROR	356	440.447	1.237211		
C TOTAL	385	514.065			
ROOT MSE		1.112300	R-SQUARE		0.1432
DEP MEAN		1.049223	ADJ R-SQ		0.0734
C.V.		106.0118			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0

INTERCEP	1	2.794963	2.166564	1.290
UICEFF01	1	0.479426	0.282507	1.697
UICEFF02	1	-0.173088	0.322816	-0.536
UICEFF03	1	-0.238093	0.285763	-0.833
UICEFF04	1	-0.099446	0.245488	-0.405
UICEFF05	1	0.367840	0.252436	1.457
UICEFF06	1	-0.134969	0.263673	-0.512
UICEFF07	1	0.143473	0.295282	0.486
UICEFF08	1	-0.517482	0.253057	-2.045
UICEFF09	1	0.128626	0.287116	0.448
UICEFF10	1	0.673270	0.255970	2.630
UICEFF11	1	-0.101000	0.232606	-0.434
UICEFF12	1	0.010364	0.245681	0.042
UICEFF13	1	-0.393330	0.259851	-1.514
UICEFF14	1	-0.425374	0.255050	-1.668
UICEFF15	1	-0.036219	0.232432	-0.156
UICEFF16	1	0.196672	0.233712	0.842
SERVICE	1	-.00000674779	0.0001493262	-0.452
PREWRNTY	1	0.248683	0.226842	1.096
OVERHAUL	1	-1.129941	0.256941	-4.398
DEPFLT	1	0.129032	0.141615	0.911
HSDGFTG	1	-0.00286529	0.009172313	-0.312
AFQTFTG	1	-0.016847	0.008697132	-1.937
ENAGEFTG	1	-0.047996	0.107871	-0.445
PRAGEFTG	1	0.019888	0.073296	0.271
PAYGRFTG	1	-0.050324	0.162216	-0.310
YRACDFTG	1	0.074276	0.084299	0.881
TMEGRFTG	1	0.002175223	0.009264015	0.235
UFILIFTG	1	-0.000997758	-0.001936909	-0.515
LFILLFTG	1	0.003128803	0.002080718	1.504

DEP VARIABLE: K3 TOTAL NUMBER OF C-3 CASREPS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	50.927820	1.756132	3.273	0.0001
ERROR	356	191.002	0.536523		
C TOTAL	385	241.930			
ROOT MSE		0.732477	R-SQUARE		0.2105
DEP MEAN		0.391192	ADJ R-SQ		0.1462
C.V.		187.2426			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEP	1	1.716953	1.426736	1.203
UICEFF01	1	-0.277425	0.186038	-1.491
UICEFF02	1	0.045276	0.212582	0.213
UICEFF03	1	0.016159	0.188182	0.086
UICEFF04	1	-0.378495	0.161660	-2.341
UICEFF05	1	0.079246	0.166236	0.477
UICEFF06	1	-0.018354	0.173635	-0.106
UICEFF07	1	0.246142	0.194451	1.266
UICEFF08	1	-0.494082	0.166644	-2.965
UICEFF09	1	-0.207018	0.189073	-1.095
UICEFF10	1	0.128968	0.168563	0.765
UICEFF11	1	0.190664	0.153177	1.245
UICEFF12	1	0.012503	0.161787	0.077
UICEFF13	1	0.159180	0.171118	0.930
UICEFF14	1	-0.192422	0.167957	-1.146
UICEFF15	1	0.198067	0.153062	1.294
UICEFF16	1	0.416759	0.153905	2.708
SERVICE	1	-0.000183183	.00009833504	-1.863
PREWRNTY	1	0.433724	0.149381	2.903
OVERHAUL	1	-0.547192	0.169202	-3.234
DEPFLT	1	-0.207860	0.093257	-2.229
HSDGFTG	1	-0.011901	0.006040198	-1.970
AFQTFTG	1	-0.00823766	0.005727279	-1.438

ENAGEFTG	1	-0.00614016	0.071036	-0.086
PRAGEFTG	1	-0.022327	0.048267	-0.463
PAYGRFTG	1	0.164607	0.106823	1.541
YRACDFTG	1	0.015369	0.055513	0.277
TMEGRFTG	1	0.007468858	0.006100585	1.224
UFILLFTG	1	0.0006054162	0.001275503	0.475
LFILLFTG	1	0.003017432	0.001370205	2.202

DEP VARIABLE: INDEX01 LOG-TRANSFORMED READINESS INDEX (NPS)

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	11.373590	0.392193	2.874	0.0001
ERROR	356	48.582002	0.136466		
C TOTAL	385	59.955592			
ROOT MSE		0.369413	R-SQUARE		0.1897
DEP MEAN		0.324654	ADJ R-SQ		0.1237
C.V.		113.7867			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEP	1	1.502300	0.719552	2.088
UICEFF01	1	-0.000143236	0.093825	-0.002
UICEFF02	1	-0.051583	0.107212	-0.481
UICEFF03	1	-0.076940	0.094907	-0.811
UICEFF04	1	-0.081871	0.081531	-1.004
UICEFF05	1	0.133489	0.083838	1.592
UICEFF06	1	-0.047811	0.087570	-0.546
UICEFF07	1	0.079385	0.098068	0.809
UICEFF08	1	-0.153213	0.084044	-1.823
UICEFF09	1	-0.058261	0.095356	-0.611
UICEFF10	1	0.127747	0.085012	1.503
UICEFF11	1	-0.041673	0.077252	-0.539
UICEFF12	1	0.029817	0.081595	0.365
UICEFF13	1	-0.065142	0.086301	-0.755
UICEFF14	1	-0.102928	0.084706	-1.215
UICEFF15	1	0.138390	0.077195	1.793
UICEFF16	1	0.142732	0.077620	1.839
SERVICE	1	-.0000560885	.00004959373	-1.131
PREWENTY	1	0.253362	0.075338	3.363
OVERHAUL	1	-0.363672	0.085334	-4.262
DEPFIT	1	-0.082445	0.047033	-1.753
HSDGFTG	1	-0.00699774	0.003046279	-2.297
AFQTFTG	1	-0.00960388	0.002888463	-3.325
ENAGEFTG	1	-0.0077832	0.035826	-0.217
PRAGEFTG	1	-0.00055143	0.024343	-0.023
PAYGRFTG	1	0.027568	0.053875	0.512
YRACDFTG	1	0.029316	0.027997	1.047
TMEGRFTG	1	0.004085212	0.003076734	1.328
UFILLFTG	1	-0.000510475	0.00064328	-0.794
LFILLFTG	1	0.001781781	0.0006910412	2.578

DEP VARIABLE: MEMRAC LOG-TRANSFORMED READINESS INDEX (SPCC)

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	1073.451	37.015559	4.072	0.0001
ERROR	356	3236.391	9.090986		
C TOTAL	385	4309.842			
ROOT MSE		3.015126	R-SQUARE		0.2491
DEP MEAN		1.691391	ADJ R-SQ		0.1879
C.V.		178.2631			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0

INTERCEP	1	5.637091	5.872933	0.960
UICEFF01	1	-1.355491	0.765797	-1.770
UICEFF02	1	0.151837	0.875060	0.174
UICEFF03	1	0.450210	0.774621	0.581
UICEFF04	1	-1.671541	0.665448	-2.512
UICEFF05	1	0.218186	0.684283	0.319
UICEFF06	1	-0.130189	0.714741	-0.182
UICEFF07	1	1.061829	0.800425	1.327
UICEFF08	1	-1.752173	0.685965	-2.554
UICEFF09	1	-0.546314	0.778290	-0.702
UICEFF10	1	0.240842	0.693862	0.347
UICEFF11	1	0.636725	0.630527	1.010
UICEFF12	1	0.007080217	0.665971	0.011
UICEFF13	1	0.989733	0.704381	1.405
UICEFF14	1	-0.956906	0.691366	-1.384
UICEFF15	1	0.663336	0.630057	1.053
UICEFF16	1	1.658350	0.633527	2.618
SERVICE	1	-0.000766962	0.0004047805	-1.895
PREWRNTY	1	2.458918	0.614902	3.999
OVERHAUI	1	-2.439436	0.696492	-3.502
DEPFLT	1	-1.056937	0.383877	-2.753
HSDGFTG	1	-0.045492	0.024864	-1.830
AFQTFTG	1	-0.034365	0.023575	-1.458
ENAGEFTG	1	0.043086	0.292408	0.147
PRAGEFTG	1	-0.126024	0.198683	-0.634
PAYGRFTG	1	0.756970	0.439721	1.721
YRACDFTG	1	0.099634	0.228511	0.436
TMEGRFTG	1	0.035367	0.025112	1.408
UFILIFTG	1	0.002477489	0.005250405	0.472
LFILIFTG	1	0.013531	0.005640229	2.399

DEP VARIABLE: TECHASS NUMBER OF TECHNICAL ASSISTANCE REQUESTS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	22.398340	0.772357	2.097	0.0010
ERROR	356	131.138	0.368365		
C TOTAL	385	153.536			

ROOT MSE	0.606931	R-SQUARE	0.1459
DEP MEAN	0.303109	ADJ R-SQ	0.0763
C.V.	200.2353		

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEP	1	1.984102	1.182194	1.678
UICEFF01	1	-0.127867	0.154151	-0.829
UICEFF02	1	0.038726	0.176146	0.220
UICEFF03	1	0.082330	0.155928	0.528
UICEFF04	1	-0.022895	0.133952	-0.171
UICEFF05	1	-0.026480	0.137743	-0.192
UICEFF06	1	0.102563	0.143874	0.713
UICEFF07	1	0.297649	0.161122	1.847
UICEFF08	1	-0.261707	0.138082	-1.895
UICEFF09	1	-0.191198	0.156666	-1.220
UICEFF10	1	0.117996	0.139671	0.845
UICEFF11	1	0.206810	0.126922	1.629
UICEFF12	1	-0.113979	0.134057	-0.850
UICEFF13	1	-0.143640	0.141789	-1.013
UICEFF14	1	-0.106556	0.139169	-0.766
UICEFF15	1	0.031836	0.126828	0.251
UICEFF16	1	0.031204	0.127526	0.245
SERVICE	1	-.00000987799	.00008148042	-1.212
PREWRNTY	1	0.480880	0.123777	3.885
OVERHAUI	1	-0.305481	0.140201	-2.179
DEPFLT	1	-0.027855	0.077273	-0.360
HSDGFTG	1	-0.009570387	0.005004908	-1.939
AFQTFTG	1	-0.0055304	0.0047456 23	-1.165

ENAGEFTG	1	-0.026970	0.058860	-0.458
PRAGEFTG	1	0.020272	0.039994	0.507
PAYGRFTG	1	-0.103962	0.088514	-1.175
YRACDFTG	1	0.035190	0.045998	0.765
TMEGRFTG	1	0.005184779	0.005054945	1.026
UFILIFTG	1	-0.00199654	0.001056882	-1.889
LFILIFTG	1	0.001759024	0.001135352	1.549

DEP VARIABLE: S TOTAL HOURS DOWNTIME DUE TO SUPPLY

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	44562612	1536642	2.701	0.0001
ERROR	356	202501514	568824		
C TOTAL	385	247064126			

ROOT MSE	754.205	R-SQUARE	0.1804
DEP MEAN	580.855	ADJ R-SQ	0.1136
C.V.	129.8439		

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEP	1	1634.024	1469.057	1.112
UICEFF01	1	202.679	191.557	1.058
UICEFF02	1	-31.992543	218.888	-0.146
UICEFF03	1	-91.417314	193.764	-0.472
UICEFF04	1	-320.826	166.455	-1.927
UICEFF05	1	-65.231397	171.167	-0.381
UICEFF06	1	-104.541	178.785	-0.585
UICEFF07	1	299.751	200.218	1.497
UICEFF08	1	-442.677	171.587	-2.580
UICEFF09	1	285.311	194.682	1.466
UICEFF10	1	106.946	173.563	0.616
UICEFF11	1	20.517606	157.720	0.130
UICEFF12	1	26.454228	166.586	0.159
UICEFF13	1	-54.927314	176.194	-0.312
UICEFF14	1	-306.327	172.939	-1.771
UICEFF15	1	-135.670	157.603	-0.861
UICEFF16	1	481.265	158.471	3.037
SERVICE	1	-0.120690	0.101252	-1.192
PREWRNTY	1	336.653	153.812	2.189
OVERHAUL	1	-685.040	174.221	-3.932
DEPFIT	1	29.724550	96.023100	0.310
HSDGFTG	1	3.971216	6.219365	0.639
AFQTFTG	1	-10.729325	5.897164	-1.819
ENAGEFTG	1	-52.697895	73.143143	-0.720
PRAGEFTG	1	-13.411069	49.698642	-0.270
PAYGRFTG	1	51.316241	109.992	0.467
YRACDFTG	1	80.529067	57.159879	1.409
TMEGRFTG	1	-5.481203	6.281544	-0.873
UFILIFTG	1	0.275197	1.313338	0.210
LFILIFTG	1	3.146327	1.410848	2.230

DEP VARIABLE: T TOTAL HOURS DOWNTIME

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	68606908	2365755	2.911	0.0001
ERROR	356	289317383	812689		
C TOTAL	385	357924291			

ROOT MSE	901.493	R-SQUARE	0.1917
DEP MEAN	822.596	ADJ R-SQ	0.1258
C.V.	109.5912		

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEP	1	2701.961	1755.949	1.539
UICEFF01	1	188.726	228.966	0.824

UICEFF02	1	-61.250453	261.634	-0.234
UICEFF03	1	-262.082	231.604	-1.132
UICEFF04	1	-315.005	198.962	-1.583
UICEFF05	1	108.375	204.594	0.530
UICEFF06	1	-239.184	213.700	-1.119
UICEFF07	1	425.458	239.319	1.778
UICEFF08	1	-410.572	205.097	-2.002
UICEFF09	1	178.037	232.701	0.765
UICEFF10	1	216.348	207.458	1.043
UICEFF11	1	-39.620958	188.521	-0.210
UICEFF12	1	29.771416	199.119	0.150
UICEFF13	1	-128.771	210.603	-0.611
UICEFF14	1	-367.531	206.712	-1.778
UICEFF15	1	21.757796	188.381	0.115
UICEFF16	1	565.045	189.418	2.983
SERVICE	1	-0.154128	0.121025	-1.274
PREWRNTY	1	420.650	183.850	2.288
OVERHAUI	1	-924.208	208.244	-4.438
DEPFLT	1	-30.579321	114.775	-0.266
HSDGFTG	1	-1.024136	7.433942	-0.138
AFQTFTG	1	-18.221291	7.048819	-2.585
ENAGEFTG	1	-75.793242	87.427236	-0.867
PRAGEFTG	1	8.264343	59.404269	0.139
PAYGRFTG	1	72.858136	131.472	0.554
YRACDFTG	1	74.987545	68.322607	1.098
TMEGRFTG	1	-0.647137	7.508264	-0.086
UFILLFTG	1	-0.092279	1.569819	-0.059
LFILIFTG	1	4.054760	1.686372	2.404

READINESS REGRESSIONS FOR THE FTM RATING

DEP VARIABLE: K1 TOTAL NUMBER OF CASREPS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEI	29	60.159121	2.074452	2.094	0.0011
ERROR	339	335.798	0.990553		
C TOTAL	368	395.957			
FOOT MSE		0.995265	R-SQUARE		0.1519
DEP MEAN		0.766938	ADJ R-SQ		0.0794
C.V.		129.7713			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEP	1	-1.012433	1.750860	-0.578
UICEFF01	1	0.179129	0.243251	0.736
UICEFF02	1	-0.036056	0.246894	-0.146
UICEFF03	1	0.153040	0.238159	0.643
UICEFF04	1	-0.136147	0.224313	-0.607
UICEFF05	1	0.011620	0.222311	0.052
UICEFF06	1	0.112573	0.248127	0.454
UICEFF07	1	0.123494	0.230308	0.536
UICEFF08	1	-0.226723	0.244893	-0.926
UICEFF09	1	0.181585	0.221188	0.821
UICEFF10	1	-0.072502	0.226184	-0.321
UICEFF11	1	-0.202937	0.231763	-0.876
UICEFF12	1	0.131401	0.225021	0.584
UICEFF13	1	-0.222903	0.229008	-0.973
UICEFF14	1	-0.224438	0.220319	-1.019
UICEFF15	1	-0.122317	0.224533	-0.545
UICEFF16	1	0.107935	0.208083	0.519
SERVICE	1	0.0004262527	0.0001143666	3.727
PREWRNTY	1	-0.475371	0.259647	-1.831
OVERHAUI	1	-0.838303	0.253514	-3.307
DEPFLT	1	-0.00231894	0.126512	-0.018
HSDGFTM	1	0.00478377	0.008603905	0.556
AFQTFTM	1	0.010144	0.0086660794	1.171

ENAGEFTM	1	-0.068020	0.086593	-0.786
PRAGEFTM	1	0.110762	0.074375	1.489
PAYGEFTM	1	-0.120636	0.131109	-0.920
YRACDFTM	1	-0.155460	0.087287	-1.781
TMEGEFTM	1	0.007895678	0.008931143	0.884
UFILLFTM	1	-0.000884864	0.002128627	-0.416
LFILLFTM	1	-0.000380949	0.001842926	-0.207

DEP VARIABLE: K2 TOTAL NUMBER OF C-2 CASREPS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	54.654137	1.884625	2.406	0.0001
ERROR	339	265.579	0.783419		
C TOTAL	368	320.233			
ROOT MSE		0.885109	R-SQUARE		0.1707
DEP MEAN		0.604336	ADJ R-SQ		0.0997
C.V.		146.4598			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEP	1	-0.651309	1.557075	-0.418
UICEFF01	1	0.074189	0.216328	0.343
UICEFF02	1	0.048110	0.219567	0.219
UICEFF03	1	0.260654	0.211800	1.231
UICEFF04	1	-0.046929	0.199486	-0.235
UICEFF05	1	-0.062780	0.197706	-0.318
UICEFF06	1	0.124818	0.220664	0.566
UICEFF07	1	0.087174	0.204818	0.426
UICEFF08	1	-0.244417	0.217788	-1.122
UICEFF09	1	0.194121	0.196707	0.987
UICEFF10	1	-0.034856	0.201150	-0.173
UICEFF11	1	-0.185520	0.206112	-0.900
UICEFF12	1	0.195515	0.200116	0.977
UICEFF13	1	-0.285717	0.203661	-1.403
UICEFF14	1	-0.075866	0.195934	-0.387
UICEFF15	1	-0.137658	0.199681	-0.689
UICEFF16	1	-0.013442	0.185053	-0.073
SERVICE	1	0.005060432	0.001017085	4.975
PREWRNTY	1	-0.177864	0.230909	-0.770
OVERHAUL	1	-0.654051	0.225455	-2.901
DEPFLT	1	0.064171	0.112510	0.570
HSDGFTM	1	-0.000349435	0.007651625	-0.046
AFQTFTM	1	0.008364871	0.007702217	1.086
ENAGEFTM	1	-0.061264	0.077009	-0.796
PRAGEFTM	1	0.114735	0.066143	1.735
PAYGEFTM	1	-0.186988	0.116598	-1.604
YRACDFTM	1	-0.108582	0.077626	-1.399
TMEGEFTM	1	-0.00115615	0.007942644	-0.146
UFILLFTM	1	-0.000813235	0.00189303	-0.430
LFILLFTM	1	-0.000407272	0.001638951	-0.248

DEP VARIAELE: INDEX01 LOG-TRANSFORMED READINESS INDEX (NPS)

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	3.956042	0.136415	2.026	0.0018
ERROR	339	22.826097	0.067334		
C TOTAL	368	26.782138			
ROOT MSE		0.259487	R-SQUARE		0.1477
DEP MEAN		0.167338	ADJ R-SQ		0.0748
C.V.		155.0674			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEP	1	-0.117732	0.456487	-0.258

UICEFF01	1	-0.025956	0.063421	-0.409
UICEFF02	1	-0.033805	0.064371	-0.525
UICEFF03	1	-0.015374	0.062093	-0.248
UICEFF04	1	0.006969823	0.058483	0.119
UICEFF05	1	0.071326	0.057961	1.231
UICEFF06	1	-0.023886	0.064692	-0.369
UICEFF07	1	-0.010609	0.060046	-0.177
UICEFF08	1	-0.029402	0.063849	-0.460
UICEFF09	1	0.070960	0.057668	1.230
UICEFF10	1	0.026468	0.058971	0.449
UICEFF11	1	-0.053654	0.060426	-0.888
UICEFF12	1	0.021343	0.058668	0.364
UICEFF13	1	0.018401	0.059707	0.308
UICEFF14	1	-0.046363	0.057442	-0.807
UICEFF15	1	-0.058202	0.058541	-0.994
UICEFF16	1	0.105879	0.054252	1.952
SERVICE	1	.00009201369	.00002981785	3.086
PREWRNTY	1	-0.117760	0.067696	-1.740
OVERHAUL	1	-0.190002	0.066097	-2.875
DEPFLT	1	-0.025815	0.032984	-0.783
HSDGFTM	1	0.001454048	0.002243224	0.648
AFQTFTM	1	0.001789221	0.002258056	0.792
ENAGEFTM	1	-0.036941	0.022577	-1.636
PRAGEFTM	1	0.045080	0.019391	2.325
PAYGRFTM	1	-0.051856	0.034183	-1.517
YRACDFTM	1	-0.031152	0.022758	-1.369
TMEGRFTM	1	0.000124449	0.002328542	0.053
UFILLFTM	1	-0.001C8299	0.000554979	-1.951
LFILLFTM	1	-0.00019132	0.0004804906	-0.398

DEP VARIABLE: M TOTAL HOURS DOWNTIME DUE TO MAINTENANCE

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	8269633	285160	2.018	0.0019
ERROR	339	47908263	141322		
C TOTAL	368	56177896			

ROOT MSE	375.929	R-SQUARE	0.1472
DEP MEAN	150.233	ADJ R-SQ	0.0743
C.V.	250.2303		

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEP	1	71.273248	661.329	0.108
UICEFF01	1	-51.198203	91.880039	-0.557
UICEFF02	1	-63.494731	93.255908	-0.681
UICEFF03	1	-1.808641	89.956842	-0.020
UICEFF04	1	30.742098	84.726963	0.363
UICEFF05	1	124.820	83.970612	1.486
UICEFF06	1	-36.751434	93.721629	-0.392
UICEFF07	1	-26.622336	86.991347	-0.306
UICEFF08	1	-14.410825	92.500126	-0.156
UICEFF09	1	44.743980	83.546312	0.536
UICEFF10	1	99.070873	85.433656	1.160
UICEFF11	1	-133.741	87.540987	-1.528
UICEFF12	1	62.598971	84.994312	0.737
UICEFF13	1	54.538419	86.500179	0.631
UICEFF14	1	-59.433359	83.218280	-0.714
UICEFF15	1	-104.776	84.809819	-1.235
UICEFF16	1	143.310	78.596590	1.823
SERVICE	1	0.143631	0.043198	3.325
PREWRNTY	1	-33.029289	98.073061	-0.337
OVERHAUL	1	-181.147	95.756542	-1.892
DEPFLT	1	-12.201707	47.785812	-0.255
HSDGFTM	1	1.408582	3.249841	0.433
AFQTFTM	1	2.619255	3.271329	0.801
ENAGEFTM	1	-72.579070	32.707659	-2.219

PRAGEFTM	1	76.537781	28.092511	2.724
PAYGEFTM	1	-119.024	49.522133	-2.403
YRACDFTM	1	-34.490445	32.969739	-1.046
TMEGRFTM	1	-4.668214	3.373444	-1.384
UFIILFTM	1	-0.948390	0.804018	-1.180
LFIILFTM	1	-0.191965	0.696104	-0.276

DEP VARIABLE: S TOTAL HOURS DOWNTIME DUE TO SUPPLY

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	11056247	381250	1.499	0.0505
ERROR	339	86218344	254331		
C TOTAL	368	97274591			
ROOT MSE		504.313	R-SQUARE		0.1137
DEP MEAN		274.060	ADJ R-SQ		0.0378
C.V.		184.0157			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR HO: PARAMETER=0
INTERCEP	1	933.230	887.181	1.052
UICEFF01	1	148.129	123.258	1.202
UICEFF02	1	-23.588537	125.104	-0.189
UICEFF03	1	123.574	120.678	1.024
UICEFF04	1	-67.447527	113.662	-0.593
UICEFF05	1	-52.215661	112.648	-0.464
UICEFF06	1	7.151462	125.729	0.057
UICEFF07	1	-28.553147	116.700	-0.245
UICEFF08	1	-190.225	124.090	-1.533
UICEFF09	1	102.738	112.078	0.917
UICEFF10	1	-26.591572	114.610	-0.232
UICEFF11	1	-69.679579	117.437	-0.595
UICEFF12	1	235.075	114.021	2.062
UICEFF13	1	-186.509	116.041	-1.607
UICEFF14	1	-81.750703	111.638	-0.732
UICEFF15	1	92.014121	113.773	0.809
UICEFF16	1	-6.310188	105.438	-0.060
SERVICE	1	0.149776	0.057951	2.585
PREWRNTY	1	-232.306	131.566	-1.766
OVERHAUL	1	-340.644	128.459	-2.652
DEPFLT	1	5.496375	64.105250	0.086
HSDGFTM	1	-2.266658	4.359701	-0.520
AFQTFTM	1	2.758557	4.388527	0.629
ENAGEFTM	1	-22.170577	43.877724	-0.505
PRAGEFTM	1	9.675374	37.686447	0.257
PAYGRFTM	1	-130.128	66.434546	-1.959
YRACDFTM	1	-27.502955	44.229307	-0.622
TMEGRFTM	1	6.692805	4.525516	1.479
UFIILFTM	1	-0.805179	1.078600	-0.747
LFIILFTM	1	-0.143744	0.933832	-0.154

DEP VARIABLE: T TOTAL HOURS DOWNTIME

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	28706394	989876	1.968	0.0027
ERROR	339	170543291	503078		
C TOTAL	368	199249684			
ROOT MSE		709.280	R-SQUARE		0.1441
DEP MEAN		424.293	ADJ R-SQ		0.0709
C.V.		167.1675			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR HO: PARAMETER=0
INTERCEP	1	1004.503	1247.757	0.805
UICEFF01	1	96.931235	173.354	0.559
UICEFF02	1	-87.083269	175.950	-0.495

UICEFF03	1	121.765	169.725	0.717
UICEFF04	1	-36.705429	159.858	-0.230
UICEFF05	1	72.604499	158.431	0.458
UICEFF06	1	-29.599971	176.828	-0.167
UICEFF07	1	-55.175484	164.130	-0.336
UICEFF08	1	-204.636	174.524	-1.173
UICEFF09	1	147.482	157.630	0.936
UICEFF10	1	72.479301	161.191	0.450
UICEFF11	1	-203.621	165.167	-1.233
UICEFF12	1	297.674	160.362	1.856
UICEFF13	1	-131.971	163.203	-0.809
UICEFF14	1	-141.184	157.011	-0.899
UICEFF15	1	-12.761994	160.014	-0.080
UICEFF16	1	137.000	148.291	0.924
SERVICE	1	0.293408	0.081504	3.600
PREWFNTY	1	-265.335	185.038	-1.434
OVERHAUL	1	-521.791	180.668	-2.888
DEPFLT	1	-6.705332	90.159414	-0.074
HSDGFTM	1	-0.858076	6.131605	-0.140
AFQTFTM	1	5.377812	6.172147	0.871
ENAGEFTM	1	-94.749647	61.710856	-1.535
PRAGEFTM	1	86.213154	53.003271	1.627
PAYGRFTM	1	-249.152	93.435400	-2.667
YRACLFTM	1	-61.993400	62.205333	-0.997
TMEGRFTM	1	2.024592	6.364813	0.318
UFILLFTM	1	-1.753569	1.516974	-1.156
LFILLFTM	1	-0.335709	1.313368	-0.256

READINESS REGRESSIONS FOR THE DS RATING

DEP VARIABLE: K1 TOTAL NUMBER OF CASREPS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	55.650098	1.918969	2.166	0.0006
ERROR	357	316.257	0.885874		
C TOTAL	386	371.907			
ROOT MSE		0.941209	R-SQUARE		0.1496
DEP MEAN		0.682171	ADJ R-SQ		0.0806
C.V.		137.9726			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEP	1	-0.528062	2.307929	-0.229
UICEFF01	1	-0.531619	0.286406	-1.856
UICEFF02	1	0.183164	0.218960	0.837
UICEFF03	1	-0.397153	0.235918	-1.683
UICEFF04	1	-0.300566	0.235001	-1.279
UICEFF05	1	-0.192558	0.210125	-0.916
UICEFF06	1	-0.130845	0.219654	-0.596
UICEFF07	1	0.247678	0.226002	1.096
UICEFF08	1	-0.404295	0.211453	-1.912
UICEFF09	1	0.593169	0.210065	2.824
UICEFF10	1	0.447960	0.211597	2.117
UICEFF11	1	0.069473	0.211595	0.328
UICEFF12	1	-0.00727961	0.199733	-0.036
UICEFF13	1	0.297971	0.229660	1.297
UICEFF14	1	-0.322293	0.185488	-1.738
UICEFF15	1	-0.239854	0.191842	-1.250
UICEFF16	1	0.549196	0.195618	2.807
SERVICE	1	.00005602021	0.0001283466	0.436
PREWFNTY	1	0.290767	0.184326	1.577
OVERHAUL	1	-0.770474	0.218472	-3.527
DEPFLT	1	0.039168	0.119485	0.328
HSDGDS	1	-0.013797	0.014325	-0.963
AFQTDS	1	-0.000263348	0.007948199	-0.033
ENAGEDS	1	0.112428	0.101690	1.106

PRAGEDS	1	0.009066694	0.053649	0.169
PAYGRDS	1	0.065471	0.170677	0.384
YRACDDS	1	-0.00871032	0.070700	-0.123
TMEGRDS	1	-0.00119979	0.009543255	-0.126
UFILLDS	1	-0.00252799	0.001475827	-1.713
LFILLDS	1	0.001565521	0.002776934	0.564

DEP VARIABLE: K2 TOTAL NUMBER OF C-2 CASREPS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	49.083129	1.692522	2.118	0.0009
ERROR	357	285.217	0.798926		
C TOTAL	386	334.300			
ROOT MSE		0.893827	R-SQUARE		0.1468
DEP MEAN		0.607235	ADJ R-SQ		0.0775
C.V.		147.1961			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEP	1	0.401659	2.191745	0.183
UICEFF01	1	-0.649457	0.271988	-2.388
UICEFF02	1	0.186953	0.207937	0.899
UICEFF03	1	-0.327746	0.224041	-1.463
UICEFF04	1	-0.204868	0.223171	-0.918
UICEFF05	1	-0.086807	0.199547	-0.435
UICEFF06	1	-0.231216	0.208596	-1.108
UICEFF07	1	0.249805	0.214624	1.164
UICEFF08	1	-0.358059	0.200808	-1.783
UICEFF09	1	0.499919	0.199490	2.506
UICEFF10	1	0.470721	0.200945	2.343
UICEFF11	1	0.169535	0.200943	0.844
UICEFF12	1	-0.109644	0.189678	-0.578
UICEFF13	1	0.293694	0.218098	1.347
UICEFF14	1	-0.264188	0.176150	-1.500
UICEFF15	1	-0.179944	0.182184	-0.988
UICEFF16	1	0.427453	0.185770	2.301
SERVICE	1	.00003487292	0.0001218855	0.286
PREWRNTY	1	0.285072	0.175047	1.629
OVERHAUL	1	-0.688963	0.207474	-3.321
DEPFLT	1	0.081168	0.113470	0.715
HSDGDS	1	-0.014832	0.013604	-1.090
AFQTDS	1	0.0011099576	0.007548074	0.146
ENAGEDS	1	0.056391	0.096571	0.584
PRAGEDS	1	0.018297	0.050948	0.359
PAYGRDS	1	0.083181	0.162084	0.513
YRACDDS	1	-0.012123	0.067141	-0.181
TMEGRDS	1	-0.00498215	0.009062833	-0.550
UFILLDS	1	-0.00281364	0.001401532	-2.008
LFILLDS	1	0.000214115	0.002637139	0.081

DEP VARIABLE: INDEX01 LOG-TRANSFORMED READINESS INDEX (NPS)

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	4.811306	0.165907	1.973	0.0025
ERROR	357	30.012291	0.084068		
C TOTAL	386	34.823597			
ROOT MSE		0.289945	R-SQUARE		0.1382
DEP MEAN		0.172177	ADJ R-SQ		0.0682
C.V.		168.3989			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEP	1	-0.597723	0.710971	-0.841
UICEFF01	1	-0.123000	0.088229	-1.394

UICEFF02	1	-0.051817	0.067452	-0.768
UICEFF03	1	-0.070825	0.072676	-0.975
UICEFF04	1	-0.057001	0.072393	-0.787
UICEFF05	1	-0.026751	0.064730	-0.413
UICEFF06	1	0.008872811	0.067666	0.131
UICEFF07	1	0.081803	0.069621	1.175
UICEFF08	1	-0.131417	0.065139	-2.017
UICEFF09	1	0.229811	0.064712	3.551
UICEFF10	1	0.095301	0.065184	1.462
UICEFF11	1	-0.035209	0.065183	-0.540
UICEFF12	1	-0.010959	0.061529	-0.178
UICEFF13	1	0.044399	0.070748	0.628
UICEFF14	1	-0.070728	0.057141	-1.238
UICEFF15	1	-0.065424	0.059098	-1.107
UICEFF16	1	0.186183	0.060261	3.090
SERVICE	1	.00005199803	.00003953794	1.315
PREWRNTY	1	0.090504	0.056783	1.594
OVERHAUI	1	-0.191453	0.067302	-2.845
DEPFIT	1	-0.016535	0.036808	-0.449
HSDGDS	1	-0.00122568	0.004412946	-0.278
AFQTDS	1	-0.000314525	0.00244849	-0.128
ENAGEDS	1	0.038548	0.031326	1.231
PRAGEDS	1	0.00039961337	0.016527	0.024
PAYGRDS	1	0.016636	0.052578	0.316
YRACCDS	1	0.007129149	0.021779	0.327
TMEGRDS	1	0.001388589	0.002939856	0.472
UFILLDS	1	-0.000589014	0.0004546374	-1.296
LFILLDS	1	0.0003109646	0.0008554511	0.364

DEP VARIABLE: MEMRAC LOG-TRANSFORMED READINESS INDEX (SPCC)

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	67.707427	2.334739	1.647	0.0209
ERROR	357	505.958	1.417248		
C TOTAL	386	573.665			

ROOT MSE	1.190482	R-SQUARE	0.1180
DEP MEAN	0.300506	ADJ R-SQ	0.0464
C.V.	396.1599		

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEP	1	-2.781793	2.919172	-0.953
UICEFF01	1	0.655121	0.362259	1.808
UICEFF02	1	-0.112013	0.276951	-0.404
UICEFF03	1	-0.350707	0.298399	-1.175
UICEFF04	1	-0.372614	0.297240	-1.254
UICEFF05	1	-0.403354	0.265775	-1.518
UICEFF06	1	0.306932	0.277828	1.105
UICEFF07	1	0.069503	0.285857	0.243
UICEFF08	1	-0.216291	0.267455	-0.809
UICEFF09	1	0.482217	0.265699	1.815
UICEFF10	1	-0.214432	0.267637	-0.801
UICEFF11	1	-0.394352	0.267635	-1.473
UICEFF12	1	0.295309	0.252631	1.169
UICEFF13	1	-0.070827	0.290484	-0.244
UICEFF14	1	-0.165137	0.234613	-0.704
UICEFF15	1	-0.224616	0.242650	-0.926
UICEFF16	1	0.689973	0.247426	2.789
SERVICE	1	.00006938789	0.0001623385	0.427
PREWRNTY	1	0.045069	0.233144	0.193
OVERHAUI	1	-0.307077	0.276333	-1.111
DEPFIT	1	-0.246564	0.151130	-1.631
HSDGDS	1	0.00004471869	0.018119	0.025
AFQTDS	1	-0.00547448	0.010053	-0.545
ENAGEDS	1	0.262033	0.128622	2.037
PRAGEDS	1	-0.081470	0.067857	-1.201

PAYGRDS	1	-0.130961	0.215879	-0.607
YRACDDS	1	0.066495	0.089424	0.744
TMEGRDS	1	0.010893	0.012071	0.902
UFILLDS	1	0.0004502995	0.001866692	0.241
LFILLDS	1	0.005302421	0.00351239	1.510

DEP VARIABLE: PRSCAUSE TOTAL OF PRESUMED PERSONNEL-BASED CAUSES

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	11.198159	0.386143	1.787	0.0087
ERROR	357	77.132590	0.216058		
C TOTAL	386	88.330749			
ROOT MSE		0.464820	R-SQUARE	0.1268	
DEP MEAN		0.219638	ADJ R-SQ	0.0558	
C.V.		211.6298			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEP	1	-1.523605	1.139781	-1.337
UICEFF01	1	-0.348725	0.141443	-2.465
UICEFF02	1	0.008164077	0.108134	0.075
UICEFF03	1	-0.017028	0.116509	-0.146
UICEFF04	1	-0.028759	0.116056	-0.248
UICEFF05	1	-0.031687	0.103771	-0.305
UICEFF06	1	-0.152490	0.108477	-1.406
UICEFF07	1	0.195555	0.111612	1.752
UICEFF08	1	-0.036085	0.104427	-0.346
UICEFF09	1	0.126192	0.103741	1.216
UICEFF10	1	0.035036	0.104498	0.335
UICEFF11	1	-0.056657	0.104497	-0.542
UICEFF12	1	-0.084794	0.098639	-0.860
UICEFF13	1	0.001286242	0.113418	0.011
UICEFF14	1	0.026641	0.091604	0.291
UICEFF15	1	0.016521	0.094742	0.174
UICEFF16	1	0.361850	0.096607	3.746
SERVICE	1	.00002793744	.00006338455	0.441
PREWRNTY	1	0.252608	0.091030	2.775
OVERHAUL	1	-0.190222	0.107893	-1.763
DEPFLT	1	0.095208	0.059008	1.613
HSDGDS	1	0.005060051	0.007074536	0.715
AFQTDS	1	-0.00354711	0.003925254	-0.904
ENAGEDS	1	0.033631	0.050220	0.670
PRAGEDS	1	0.024361	0.026495	0.919
PAYGRDS	1	-0.00404571	0.084289	-0.048
YRACDDS	1	0.004758923	0.034915	0.136
TMEGRDS	1	0.0002794365	0.0004712979	0.059
UFILLDS	1	-0.0008842525	0.0007288439	-1.156
LFILLDS	1	0.002869203	0.001371401	2.092

DEP VARIABLE: TECHASS NUMBER OF TECHNICAL ASSISTANCE REQUESTS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	20.772912	0.716307	2.098	0.0010
ERROR	357	121.868	0.341367		
C TOTAL	386	142.641			
ROOT MSE		0.584266	R-SQUARE	0.1456	
DEP MEAN		0.260982	ADJ R-SQ	0.0762	
C.V.		223.8722			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEP	1	-1.016186	1.432674	-0.709
UICEFF01	1	-0.273653	0.177790	-1.539

UICEFF02	1	-0.164842	0.135922	-1.213
UICEFF03	1	-0.067211	0.146449	-0.459
UICEFF04	1	-0.106686	0.145880	-0.731
UICEFF05	1	-0.127492	0.130437	-0.977
UICEFF06	1	-0.053372	0.136353	-0.391
UICEFF07	1	0.291338	0.140293	2.077
UICEFF08	1	-0.087603	0.131262	-0.667
UICEFF09	1	0.268017	0.130400	2.055
UICEFF10	1	0.269607	0.131351	2.053
UICEFF11	1	-0.036289	0.131350	-0.276
UICEFF12	1	-0.059527	0.123987	-0.480
UICEFF13	1	-0.160821	0.142564	-1.128
UICEFF14	1	-0.143177	0.115144	-1.243
UICEFF15	1	0.023773	0.119088	0.200
UICEFF16	1	0.554835	0.121432	4.569
SERVICE	1	.00002999648	.00007967263	0.376
PREWRNTY	1	0.034126	0.114423	0.298
OVERHAUL	1	-0.229893	0.135619	-1.695
DEPFLT	1	0.014369	0.074172	0.194
HSDGDS	1	0.001159762	0.008892497	0.130
AFQTDS	1	-0.00132255	0.004933935	-0.268
ENAGEDS	1	0.083447	0.063125	1.322
PRAGEDS	1	-0.00393859	0.033303	-0.118
PAYGRDS	1	-0.026219	0.105949	-0.247
YRACCDS	1	0.009721058	0.043888	0.221
TMEGRDS	1	-0.00176774	0.005924085	-0.298
UFILLDS	1	-0.00219396	0.0009161366	-2.395
LFILLDS	1	0.0006353476	0.001723814	0.369

DEP VARIABLE: S TOTAL HOURS DOWNTIME DUE TO SUPPLY

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	10334629	356367	1.500	0.0497
ERROR	357	84797534	237528		
C TOTAL	386	95132163			

ROOT MSE	487.369	R-SQUARE	0.1086
DEP MEAN	231.602	ADJ R-SQ	0.0362
C.V.	210.4336		

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEP	1	1427.100	1195.072	1.194
UICEFF01	1	-93.360606	148.304	-0.630
UICEFF02	1	173.079	113.380	1.527
UICEFF03	1	-249.639	122.161	-2.044
UICEFF04	1	-66.552188	121.686	-0.547
UICEFF05	1	-149.807	108.805	-1.377
UICEFF06	1	-100.007	113.739	-0.879
UICEFF07	1	46.877443	117.026	0.401
UICEFF08	1	-118.805	109.493	-1.085
UICEFF09	1	96.674694	108.774	0.889
UICEFF10	1	17.787493	109.567	0.162
UICEFF11	1	57.186051	109.566	0.522
UICEFF12	1	0.414594	103.424	0.004
UICEFF13	1	147.120	118.920	1.237
UICEFF14	1	-102.648	96.047677	-1.069
UICEFF15	1	-123.658	99.338026	-1.245
UICEFF16	1	229.942	101.293	2.270
SERVICE	1	-0.079027	0.066459	-1.189
PREWRNTY	1	1.024515	95.446140	0.011
OVERHAUL	1	-269.804	113.127	-2.385
DEPFLT	1	15.003400	61.870768	0.242
HSDGDS	1	-9.317422	7.417724	-1.256
AFQTDS	1	3.123381	4.115668	0.759
ENAGEDS	1	-12.034148	52.656331	-0.229
PRAGEDS	1	1.597868	27.779915	0.058
PAYGRDS	1	-63.300337	88.378255	-0.716

YRACIDS	1	39.557572	36.609088	1.081
TMEGRDS	1	-5.794015	4.941607	-1.172
UFILIDS	1	-1.545428	0.764200	-2.022
LFILIDS	1	1.098127	1.437928	0.764

DEP VARIABLE: T TOTAL HOURS DOWNTIME

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	25055067	863968	1.763	0.0101
ERROR	357	174991221	490171		
C TOTAL	386	200046288			
ROOT MSE		700.122	R-SQUARE	0.1252	
DEP MEAN		415.708	ADJ R-SQ	0.0542	
C.V.		168.4169			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR HO: PARAMETER=0
INTERCEP	1	1526.959	1716.764	0.889
UICEFF01	1	-209.896	213.045	-0.985
UICEFF02	1	93.434496	162.875	0.574
UICEFF03	1	-333.024	175.489	-1.898
UICEFF04	1	-106.916	174.807	-0.612
UICEFF05	1	-83.412622	156.302	-0.534
UICEFF06	1	-97.293380	163.391	-0.595
UICEFF07	1	221.710	168.112	1.319
UICEFF08	1	-277.883	157.290	-1.767
UICEFF09	1	362.930	156.258	2.323
UICEFF10	1	96.657409	157.397	0.614
UICEFF11	1	6.877429	157.396	0.044
UICEFF12	1	-58.137333	148.573	-0.391
UICEFF13	1	141.955	170.833	0.831
UICEFF14	1	-157.368	137.976	-1.141
UICEFF15	1	-231.599	142.703	-1.623
UICEFF16	1	448.822	145.511	3.084
SERVICE	1	0.012535	0.095471	0.131
PREWRNTY	1	110.862	137.112	0.809
OVERHAUL	1	-477.870	162.511	-2.941
DEPFIT	1	-73.029378	88.879586	-0.822
HSDGDS	1	-14.740557	10.655827	-1.383
AFQTDS	1	5.528154	5.912306	0.935
ENAGEDS	1	15.448390	75.642717	0.204
PRAGEDS	1	5.808131	39.906849	0.146
PAYGRDS	1	-120.520	126.959	-0.949
YRACDDS	1	50.713689	52.590274	0.964
TMEGRDS	1	-6.688859	7.098796	-0.942
UFILIDS	1	-2.218253	1.097801	-2.021
LFILIDS	1	1.366140	2.065636	0.661

READINESS REGRESSIONS FOR THE STG RATING

DEP VARIABLE: K2 TOTAL NUMBER OF C-2 CASREPS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	20.268807	0.698924	1.515	0.0457
ERROR	356	164.200	0.461236		
C TOTAL	385	184.469			
ROOT MSE		0.679144	R-SQUARE	0.1099	
DEP MEAN		0.427461	ADJ R-SQ	0.0374	
C.V.		158.8785			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR HO: PARAMETER=0
INTERCEP	1	0.918776	1.708023	0.538
UICEFF01	1	-0.033838	0.166122	-0.204

UICEFF02	1	-0.086512	0.157208	-0.550
UICEFF03	1	-0.385005	0.151525	-2.541
UICEFF04	1	-0.069413	0.163462	-0.425
UICEFF05	1	-0.074437	0.153853	-0.484
UICEFF06	1	0.075072	0.165288	0.454
UICEFF07	1	-0.288036	0.150529	-1.913
UICEFF08	1	0.070418	0.157609	0.447
UICEFF09	1	-0.020773	0.157418	-0.132
UICEFF10	1	0.417820	0.144493	2.892
UICEFF11	1	0.091927	0.144545	0.636
UICEFF12	1	-0.158355	0.144371	-1.097
UICEFF13	1	0.160868	0.145978	1.102
UICEFF14	1	0.092932	0.132213	0.703
UICEFF15	1	0.056920	0.138047	0.412
UICEFF16	1	-0.050375	0.143794	-0.350
SERVICE	1	.00004599422	.00009062631	0.508
PREWRNTY	1	-0.011922	0.137252	-0.087
OVERHAUI	1	-0.410683	0.157989	-2.599
DEPFLT	1	0.031261	0.087696	0.356
HSDGSTG	1	0.00000383508	0.00812942	0.005
AFQTSTG	1	0.003799823	0.008316237	0.457
ENAGESTG	1	0.037689	0.077069	0.489
PRAGESTG	1	-0.088821	0.054098	-1.642
PAYGRSTG	1	-0.070800	0.118437	-0.598
YRACDSTG	1	0.034273	0.063639	0.539
TMEGRSTG	1	0.022229	0.010445	2.128
UFILLSTG	1	0.00202789	0.001554667	1.304
LFILLSTG	1	0.001502406	0.002630244	0.571

DEP VARIABLE: S TOTAL HOURS DOWNTIME DUE TO SUPPLY

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	5092971	175620	1.502	0.0491
ERROR	356	41612227	116888		
C TOTAL	385	46705198			

ROOT MSE	341.889	R-SQUARE	0.1090
DEP MEAN	145.588	ADJ R-SQ	0.0365
C.V.	234.8333		

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEP	1	387.288	859.840	0.450
UICEFF01	1	-12.844347	83.628026	-0.154
UICEFF02	1	-65.242952	79.140391	-0.824
UICEFF03	1	-122.971	76.279388	-1.612
UICEFF04	1	-25.796477	82.288890	-0.313
UICEFF05	1	47.328670	77.451695	0.611
UICEFF06	1	-1.365058	83.207973	-0.016
UICEFF07	1	-79.270671	75.778361	-1.046
UICEFF08	1	-82.100229	79.342471	-1.035
UICEFF09	1	38.847221	79.245988	0.490
UICEFF10	1	154.884	72.739705	2.129
UICEFF11	1	65.911311	72.765675	0.906
UICEFF12	1	109.404	72.677996	1.505
UICEFF13	1	-119.194	73.487097	-1.622
UICEFF14	1	15.175206	66.557886	0.228
UICEFF15	1	-30.060331	69.494389	-0.433
UICEFF16	1	49.271831	72.387799	0.681
SERVICE	1	0.032904	0.045622	0.721
PREWRNTY	1	16.487383	69.094244	0.239
OVERHAUI	1	-141.919	79.533497	-1.784
DEPFLT	1	125.974	44.147273	2.853
HSDGSTG	1	-1.545400	4.092449	-0.378
AFQTSTG	1	6.446585	4.186495	1.540
ENAGESTG	1	-36.247389	38.797397	-0.934
PRAGESTG	1	-11.067756	27.233506	-0.406
PAYGRSTG	1	-20.205583	59.622880	-0.339

YRACDSTG	1	-8.107961	32.036753	-0.253
TMEGRSTG	1	12.738330	5.258269	2.423
UFILLSTG	1	1.195055	0.782639	1.527
LFILLSTG	1	1.110254	1.324097	0.838

READINESS REGRESSIONS FOR THE IC RATING

DEP VARIABLE: K1 TOTAL NUMBER OF CASREPS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	61.710516	2.127949	3.143	0.0001
ERROR	259	175.376	0.677127		
C TOTAL	288	237.087			
ROOT MSE		0.822877	R-SQUARE		0.2603
DEP MEAN		0.657439	ADJ R-SQ		0.1775
C.V.		125.164			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR HO: PARAMETER=0
INTERCEP	1	2.140719	1.447101	1.479
UICEFF01	1	-0.329720	0.211163	-1.561
UICEFF02	1	-0.402303	0.220066	-1.828
UICEFF03	1	-0.474154	0.209480	-2.263
UICEFF04	1	0.986107	0.204002	4.834
UICEFF05	1	0.151683	0.218146	0.695
UICEFF06	1	-0.483153	0.208214	-2.320
UICEFF07	1	0.197796	0.212998	0.929
UICEFF08	1	-0.063647	0.203447	-0.313
UICEFF09	1	0.319575	0.216757	1.474
UICEFF10	1	-0.244242	0.209913	-1.164
UICEFF11	1	-0.304981	0.206839	-1.474
UICEFF12	1	-0.234084	0.219558	-1.066
UICEFF13	1	0.727631	0.212384	3.426
UICEFF14	1	0.385512	0.207522	1.858
UICEFF15	1	0.309917	0.276829	1.120
UICEFF16	1	-0.046072	0.225022	-0.205
SERVICE	1	-0.000117653	0.000134848	-0.872
PREWRNTY	1	0.450205	0.457193	0.985
OVERHAUL	1	-0.496843	0.268197	-1.853
DEPFLT	1	0.286595	0.111846	2.562
HSDGIC	1	0.00285514	0.005011184	0.570
AFQTIC	1	0.001255923	0.005621398	0.223
ENAGEIC	1	0.033800	0.085261	0.396
PRAGEIC	1	-0.073346	0.064227	-1.142
PAYGRIC	1	-0.198997	0.119575	-1.664
YRACDIC	1	0.076053	0.083545	0.910
TMEGRIC	1	-0.000194689	0.009596463	-0.020
UFILLIC	1	0.001260267	0.001107804	1.138
LFILLIC	1	-0.00285561	0.002296449	-1.243

DEP VARIABLE: K2 TOTAL NUMBER OF C-2 CASREPS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	55.432164	1.911454	3.195	0.0001
ERROR	259	154.935	0.598203		
C TOTAL	288	210.367			
ROOT MSE		0.773436	R-SQUARE		0.2635
DEP MEAN		0.615917	ADJ R-SQ		0.1810
C.V.		125.5747			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR HO: PARAMETER=0
INTERCEP	1	2.380887	1.360153	1.750

UICEFF01	1	-0.365286	0.198476	-1.840
UICEFF02	1	-0.365117	0.206843	-1.765
UICEFF03	1	-0.430855	0.196894	-2.188
UICEFF04	1	1.018919	0.191745	5.314
UICEFF05	1	0.165479	0.205039	0.807
UICEFF06	1	-0.435080	0.195703	-2.223
UICEFF07	1	0.031969	0.200200	0.160
UICEFF08	1	-0.046891	0.191223	-0.245
UICEFF09	1	0.259989	0.203733	1.276
UICEFF10	1	-0.191593	0.197301	-0.971
UICEFF11	1	-0.235732	0.194412	-1.213
UICEFF12	1	-0.173237	0.206367	-0.839
UICEFF13	1	0.551243	0.199623	2.761
UICEFF14	1	0.448278	0.195053	2.298
UICEFF15	1	0.286107	0.260196	1.100
UICEFF16	1	-0.123922	0.211502	-0.586
SERVICE	1	-0.000154205	0.0001267466	-1.217
PREWRNTY	1	0.485193	0.429723	1.129
OVERHAUI	1	-0.470370	0.252082	-1.866
DEPFIT	1	0.268897	0.105126	2.558
HSDGIC	1	0.000253543	0.004710093	0.054
AFQTIC	1	0.001156953	0.005283643	0.219
ENAGEIC	1	0.001315869	0.080138	0.016
PRAGEIC	1	-0.037664	0.060368	-0.624
PAYGRIC	1	-0.248241	0.112391	-2.209
YRACLIC	1	0.064343	0.078525	0.819
TMEGRIC	1	-.0000058565	0.009019871	-0.001
UFIIIIC	1	0.001206934	0.001041243	1.159
LFIIIIC	1	-0.00188316	0.00215847	-0.872

DEP VARIAELE: INDEX01 LOG-TRANSFORMED READINESS INDEX (NPS)

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	5.651640	0.194884	2.788	0.0001
ERROR	259	18.107128	0.069912		
C TOTAL	288	23.758768			

ROOT MSE	0.264408	R-SQUARE	0.2379
DEP MEAN	0.182942	ADJ R-SQ	0.1525
C.V.	144.5308		

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEP	1	0.391875	0.464984	0.843
UICEFF01	1	-0.077404	0.067851	-1.141
UICEFF02	1	-0.129569	0.070712	-1.832
UICEFF03	1	-0.154606	0.067311	-2.297
UICEFF04	1	0.275037	0.065550	4.196
UICEFF05	1	0.056543	0.070095	0.807
UICEFF06	1	-0.154138	0.066904	-2.304
UICEFF07	1	0.068637	0.068441	1.003
UICEFF08	1	-0.013010	0.065372	-0.199
UICEFF09	1	0.156508	0.069649	2.247
UICEFF10	1	-0.106655	0.067450	-1.581
UICEFF11	1	-0.097562	0.066462	-1.468
UICEFF12	1	-0.071378	0.070549	-1.012
UICEFF13	1	0.219014	0.068243	3.209
UICEFF14	1	0.074321	0.066681	1.115
UICEFF15	1	0.110073	0.088951	1.237
UICEFF16	1	0.018776	0.072304	0.260
SERVICE	1	-.0000227644	.00004332983	-0.525
PREWRNTY	1	0.071844	0.146906	0.489
OVERHAUI	1	-0.160277	0.086177	-1.860
DEPFLT	1	0.045781	0.035939	1.274
HSDGIC	1	0.0006878194	0.001610201	0.427
AFQTIC	1	-0.00052075	0.001806276	-0.288
ENAGEIC	1	0.014878	0.027396	0.543

PRAGEIC	1	-0.013500	0.020637	-0.654
PAYGRIC	1	-0.055900	0.038422	-1.455
YRACLIC	1	0.029091	0.026845	1.084
TMEGRIC	1	-0.000933988	0.003083549	-0.303
UFILLIC	1	0.000419424	0.000355961	1.178
LFILLIC	1	-0.000902599	0.000737898	-1.223

DEP VARIABLE: TECHASS NUMBER OF TECHNICAL ASSISTANCE REQUESTS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	11.630195	0.401041	1.519	0.0479
ERROR	259	68.383646	0.264030		
C TOTAL	288	80.013841			

ROOT MSE	0.513838	R-SQUARE	0.1454
DEP MEAN	0.262976	ADJ R-SQ	0.0497
C.V.	195.3937		

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEP	1	-1.514074	0.903628	-1.676
UICEFF01	1	0.076248	0.131859	0.578
UICEFF02	1	-0.296739	0.137418	-2.159
UICEFF03	1	-0.222865	0.130808	-1.704
UICEFF04	1	0.422783	0.127387	3.319
UICEFF05	1	0.211038	0.136219	1.549
UICEFF06	1	-0.162330	0.130017	-1.249
UICEFF07	1	-0.045498	0.133005	-0.342
UICEFF08	1	0.018273	0.127041	0.144
UICEFF09	1	0.108018	0.135352	0.798
UICEFF10	1	0.065509	0.131078	0.500
UICEFF11	1	0.031040	0.129159	0.240
UICEFF12	1	0.130190	0.137101	0.950
UICEFF13	1	0.124715	0.132621	0.940
UICEFF14	1	0.030758	0.129585	0.237
UICEFF15	1	-0.186381	0.172863	-1.078
UICEFF16	1	-0.131054	0.140513	-0.933
SERVICE	1	-.00000062289	.00008420508	-0.074
PREWRNTY	1	-0.014166	0.285490	-0.050
OVERHAUL	1	-0.204389	0.167473	-1.220
DEPFIT	1	0.105396	0.069841	1.509
HSDGIC	1	0.002748117	0.003129186	0.878
AFQTIC	1	0.004108118	0.003510228	1.170
ENAGEIC	1	0.070014	0.053240	1.315
PRAGEIC	1	0.021932	0.040106	0.547
PAYGRIC	1	-0.162749	0.074668	-2.180
YRACLIC	1	0.057519	0.052169	1.103
TMEGRIC	1	-0.00306111	0.00599242	-0.511
UFILLIC	1	-0.000605685	0.000691757 4	-0.876
LFILLIC	1	-0.000290969	0.001433996	-0.203

DEP VARIABLE: M TOTAL HOURS DOWNTIME DUE TO MAINTENANCE

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	8924397	307738	1.884	0.0054
ERROR	259	42309472	163357		
C TOTAL	288	51233868			

ROOT MSE	404.175	R-SQUARE	0.1742
DEP MEAN	201.685	ADJ R-SQ	0.0817
C.V.	200.3988		

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEP	1	154.238	710.776	0.217

UICEFF01	1	3.792610	103.717	0.037
UICEFF02	1	-147.026	108.090	-1.360
UICEFF03	1	-181.561	102.891	-1.765
UICEFF04	1	262.713	100.200	2.622
UICEFF05	1	150.248	107.147	1.402
UICEFF06	1	-159.445	102.269	-1.559
UICEFF07	1	70.213352	104.619	0.671
UICEFF08	1	119.886	99.927641	1.200
UICEFF09	1	211.406	106.465	1.986
UICEFF10	1	-171.303	103.104	-1.661
UICEFF11	1	-150.059	101.594	-1.477
UICEFF12	1	-81.035707	107.841	-0.751
UICEFF13	1	143.431	104.317	1.375
UICEFF14	1	30.748253	101.929	0.302
UICEFF15	1	115.828	135.971	0.852
UICEFF16	1	3.126010	110.524	0.028
SERVICE	1	0.007869305	0.066234	0.119
PREWRNTY	1	330.791	224.560	1.473
OVERHAUL	1	-237.945	131.731	-1.806
DEPFLT	1	-15.476540	54.935846	-0.282
HSDGIC	1	-0.663030	2.461354	-0.269
AFQTIC	1	-2.841369	2.761074	-1.029
ENAGEIC	1	19.959664	41.877810	0.477
PRAGEIC	1	8.344179	31.546364	0.265
PAYGRIC	1	-64.066344	58.732149	-1.091
YRACIC	1	12.098759	41.034738	0.295
TMEGRIC	1	-3.681000	4.713515	-0.781
UFILLIC	1	0.791707	0.544122	1.455
LFILLIC	1	-0.512476	1.127952	-0.454

DEP VARIABLE: T TOTAL HOURS DOWNTIME

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	23227793	800958	1.878	0.0056
ERROR	259	110487890	426594		
C TOTAL	288	133715683			
ROOT MSE		653.142	R-SQUARE		0.1737
DEP MEAN		401.301	ADJ R-SQ		0.0812
C.V.		162.7561			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEP	1	1483.404	1148.606	1.291
UICEFF01	1	-83.765477	167.606	-0.500
UICEFF02	1	-309.175	174.672	-1.770
UICEFF03	1	-359.926	166.271	-2.165
UICEFF04	1	467.255	161.922	2.886
UICEFF05	1	143.863	173.149	0.831
UICEFF06	1	-359.298	165.265	-2.174
UICEFF07	1	152.550	169.063	0.902
UICEFF08	1	119.270	161.482	0.739
UICEFF09	1	259.205	172.046	1.507
UICEFF10	1	-83.214439	166.614	-0.499
UICEFF11	1	-280.915	164.174	-1.711
UICEFF12	1	-215.607	174.270	-1.237
UICEFF13	1	358.009	168.575	2.124
UICEFF14	1	151.134	164.716	0.918
UICEFF15	1	225.738	219.727	1.027
UICEFF16	1	45.293568	178.606	0.254
SERVICE	1	-0.151825	0.107033	-1.418
PREWRNTY	1	417.256	362.887	1.150
OVERHAUL	1	-345.157	212.876	-1.621
DEPFIT	1	131.726	88.775751	1.484
HSDGIC	1	0.589926	3.977522	0.148
AFQTIC	1	-3.696041	4.461867	-0.828
ENAGEIC	1	-4.770278	67.674102	-0.070
PRAGEIC	1	-0.776035	50.978593	-0.015

PAYGRIC	1	-143.925	94.910537	-1.516
YRACDIC	1	-4.015163	66.311707	-0.061
TMEGRIC	1	1.794744	7.616991	0.236
UFILLIC	1	1.210626	0.879296	1.377
LFILLIC	1	-0.979173	1.822758	-0.537

READINESS REGRESSIONS FOR THE EM RATING

DEP VARIABLE: K1 TOTAL NUMBER OF CASREPS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	112.313	3.872857	1.818	0.0081
ERROR	259	551.687	2.130066		
C TOTAL	288	664.000			
ROOT MSE		1.459475	R-SQUARE		0.1691
DEP MEAN		1.294118	ADJ R-SQ		0.0761
C.V.		112.7776			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEP	1	1.613699	2.705142	0.597
UICEFF01	1	-0.071628	0.387855	-0.185
UICEFF02	1	-0.179933	0.369283	-0.487
UICEFF03	1	-0.427624	0.379634	-1.126
UICEFF04	1	0.946643	0.446446	2.120
UICEFF05	1	-0.263893	0.390705	-0.675
UICEFF06	1	-1.059224	0.425639	-2.489
UICEFF07	1	1.312535	0.370471	3.543
UICEFF08	1	-0.034924	0.406296	-0.086
UICEFF09	1	0.533003	0.389872	1.367
UICEFF10	1	0.372500	0.369084	1.009
UICEFF11	1	-0.090435	0.386261	-0.234
UICEFF12	1	-0.595109	0.378952	-1.570
UICEFF13	1	-0.191092	0.373651	-0.511
UICEFF14	1	-0.097272	0.400059	-0.243
UICEFF15	1	0.341512	0.387000	0.882
UICEFF16	1	-0.625138	0.447279	-1.398
SERVICE	1	-.000006665594	0.000026666932	-0.250
PREWFNTY	1	0.050794	0.807854	0.063
OVERHAUL	1	-0.952483	0.484826	-1.965
DEPFLT	1	0.293156	0.204896	1.431
HSDGEM	1	0.005349406	0.012427	0.430
AFQTEM	1	-0.00533967	0.00836434	-0.637
ENAGEEM	1	-0.019354	0.159859	-0.121
PRAGEEM	1	0.042267	0.090194	0.469
PAYGREM	1	-0.248110	0.261710	-0.948
YRACDEM	1	0.029022	0.112844	0.257
TMEGREM	1	0.00471601	0.015544	0.303
UFILLEM	1	-0.00296698	0.003817983	-0.777
LFILLEM	1	-0.000369933	0.002261302	-0.164

DEP VARIABLE: K2 TOTAL NUMBER OF C-2 CASREPS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	81.461588	2.809020	1.559	0.0383
ERROR	259	466.566	1.801413		
C TOTAL	288	548.028			
ROOT MSE		1.342167	R-SQUARE		0.1486
DEP MEAN		1.166090	ADJ R-SQ		0.0533
C.V.		115.0998			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0

INTERCEP	1	1.687562	2.487712	0.678
UICEFF01	1	-0.052576	0.356681	-0.147
UICEFF02	1	-0.179605	0.339601	-0.529
UICEFF03	1	-0.343115	0.349121	-0.983
UICEFF04	1	0.953471	0.410562	2.322
UICEFF05	1	-0.221949	0.359301	-0.618
UICEFF06	1	-0.755734	0.391428	-1.931
UICEFF07	1	0.937592	0.340694	2.752
UICEFF08	1	-0.161668	0.373639	-0.433
UICEFF09	1	0.634115	0.358535	1.769
UICEFF10	1	0.162116	0.339418	0.478
UICEFF11	1	0.133786	0.355215	0.377
UICEFF12	1	-0.560824	0.348493	-1.609
UICEFF13	1	-0.184748	0.343618	-0.538
UICEFF14	1	0.030227	0.367904	0.082
UICEFF15	1	0.021740	0.355895	0.061
UICEFF16	1	-0.347637	0.411328	-0.845
SERVICE	1	.000002730476	0.0002452574	0.111
PREWFNTY	1	0.095119	0.742922	0.128
OVERHAUL	1	-0.952779	0.445858	-2.137
DEPFLT	1	0.393257	0.188427	2.087
HSDGEM	1	0.00835134	0.011428	0.731
AFQTEM	1	0.000394711	0.007703167	0.051
ENAGEEM	1	-0.098601	0.147010	-0.671
PRAGEEM	1	0.046046	0.082945	0.555
PAYGREM	1	-0.141387	0.240675	-0.587
YRACDEM	1	-0.014421	0.103774	-0.139
TMEGREM	1	0.012570	0.014295	0.879
UFILLEM	1	-0.00234872	0.003511107	-0.669
LFILLEM	1	-0.00023151	0.002079547	-0.111

DEP VARIABLE: K3 TOTAL NUMBER OF C-3 CASREPS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	8.513586	0.293572	1.672	0.0200
ERROR	259	45.486414	0.175623		
C TOTAL	288	54.000000			
ROOT MSE		0.419074	R-SQUARE		0.1577
DEP MEAN		0.117647	ADJ R-SQ		0.0633
C.V.		356.2131			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEP	1	-0.514735	0.776756	-0.663
UICEFF01	1	-0.015029	0.111369	-0.135
UICEFF02	1	0.017537	0.106036	0.165
UICEFF03	1	-0.068889	0.109008	-0.632
UICEFF04	1	-0.038539	0.128193	-0.301
UICEFF05	1	-0.047759	0.112187	-0.426
UICEFF06	1	-0.301774	0.122218	-2.469
UICEFF07	1	0.382716	0.106377	3.598
UICEFF08	1	0.127021	0.116664	1.089
UICEFF09	1	-0.088736	0.111948	-0.793
UICEFF10	1	0.228506	0.105979	2.156
UICEFF11	1	-0.230740	0.110911	-2.080
UICEFF12	1	-0.038391	0.108812	-0.353
UICEFF13	1	-0.00282174	0.107290	-0.026
UICEFF14	1	-0.098953	0.114873	-0.861
UICEFF15	1	0.265486	0.111123	2.389
UICEFF16	1	-0.254001	0.128432	-1.978
SERVICE	1	-.000095743	.00007657841	-1.287
PREWFNTY	1	-0.053665	0.231968	-0.231
OVERHAUL	1	0.001777491	0.139213	0.013
DEPFLT	1	-0.085782	0.058834	-1.458
HSDGEM	1	-0.00122457	0.003568302	-0.343
AFQTEM	1	-0.005217888	0.002405213	-2.169
ENAGEEM	1	0.086593	0.045902	1.886

PRAGEEM	1	-0.0062044	0.025898	-0.240
PAYGEEM	1	-0.082115	0.075148	-1.093
YRACDEM	1	0.046582	0.032402	1.438
TMEGEEM	1	-0.0080887	0.0044634 15	-1.812
UFILLEM	1	-0.000551067	0.001096297	-0.503
LFILLEM	1	.00006927328	0.0006493113	0.107

DEP VARIABLE: INDEX01 LOG-TRANSFORMED READINESS INDEX (NPS)

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	13.628837	0.469960	1.867	0.0060
ERROR	259	65.204375	0.251754		
C TOTAL	288	78.833211			

ROOT MSE	0.501751	R-SQUARE	0.1729
DEP MEAN	0.419071	ADJ R-SQ	0.0803
C.V.	119.7293		

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEP	1	-0.163263	0.929998	-0.176
UICEFF01	1	-0.041407	0.133340	-0.311
UICEFF02	1	-0.090632	0.126955	-0.714
UICEFF03	1	-0.161666	0.130514	-1.239
UICEFF04	1	0.267048	0.153483	1.740
UICEFF05	1	0.001876846	0.134320	0.014
UICEFF06	1	-0.411564	0.146330	-2.813
UICEFF07	1	0.417308	0.127364	3.277
UICEFF08	1	0.080148	0.139680	0.574
UICEFF09	1	0.279615	0.134034	2.086
UICEFF10	1	0.115086	0.126887	0.907
UICEFF11	1	-0.154089	0.132792	-1.160
UICEFF12	1	-0.181716	0.130279	-1.395
UICEFF13	1	-0.076943	0.128457	-0.599
UICEFF14	1	0.051533	0.137536	0.375
UICEFF15	1	0.096193	0.133046	0.723
UICEFF16	1	-0.233321	0.153770	-1.517
SERVICE	1	-.00000037569	.000091686 18	-0.041
PREWRNTY	1	-0.107071	0.277731	-0.386
OVERHAUI	1	-0.364616	0.166678	-2.188
DEPFIT	1	0.005951188	0.070441	0.084
HSDGEM	1	0.0038948	0.0042722 74	0.912
AFQTEM	1	-0.0041405	0.002879725	-1.438
ENAGEEM	1	0.003035905	0.054958	0.055
PRAGEEM	1	0.028523	0.031008	0.920
PAYGEEM	1	-0.023304	0.089973	-0.259
YRACDEM	1	-0.018985	0.038795	-0.489
TMEGEEM	1	0.003484655	0.005343979	0.652
UFILLEM	1	-0.00236155	0.00131258	-1.799
LFILLEM	1	0.0001930201	0.0007774107	0.248

DEP VARIABLE: MEMRAC LOG-TRANSFORMED READINESS INDEX (SPCC)

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	169.493	5.844571	1.839	0.0071
ERROR	259	823.140	3.178148		
C TOTAL	288	992.633			

ROOT MSE	1.782736	R-SQUARE	0.1708
DEP MEAN	0.514265	ADJ R-SQ	0.0779
C.V.	346.6574		

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEP	1	0.686898	3.304308	0.208

UICEFF01	1	-0.256446	0.473762	-0.541
UICEFF02	1	-0.044984	0.451076	-0.100
UICEFF03	1	-0.384200	0.463720	-0.829
UICEFF04	1	0.202770	0.545330	0.372
UICEFF05	1	-0.203671	0.477243	-0.427
UICEFF06	1	-1.115340	0.519914	-2.145
UICEFF07	1	1.828809	0.452527	4.041
UICEFF08	1	0.515928	0.496287	1.040
UICEFF09	1	-0.384534	0.476225	-0.807
UICEFF10	1	0.648255	0.450833	1.438
UICEFF11	1	-0.841914	0.471815	-1.784
UICEFF12	1	-0.180370	0.462886	-0.390
UICEFF13	1	-0.045570	0.456411	-0.100
UICEFF14	1	-0.506191	0.488669	-1.036
UICEFF15	1	1.200507	0.472717	2.540
UICEFF16	1	-1.049684	0.546347	-1.921
SERVICE	1	-0.000351815	0.0003257635	-1.080
PREWENTY	1	-0.203476	0.986787	-0.206
OVERHAUL	1	0.00277628	0.592212	0.005
DEPFIT	1	-0.478810	0.250279	-1.913
HSDGEM	1	-0.011049	0.015180	-0.728
AFQTEM	1	-0.020943	0.010232	-2.047
ENAGEEM	1	0.251993	0.195266	1.291
PRAGEEM	1	-0.0098489	0.110172	-0.089
PAYGREM	1	-0.443085	0.319677	-1.386
YRACDEM	1	0.160968	0.137839	1.168
TMEGREM	1	-0.028070	0.018987	-1.478
UFILLEM	1	-0.00289808	0.0046636 34	-0.621
LFILLEM	1	-0.000466415	0.002762162	-0.169

DEP VARIABLE: PRSCAUSE TOTAL OF PRESUMED PERSONNEL-BASED CAUSES

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	29.317553	1.010950	1.649	0.0228
ERROR	259	158.738	0.612887		
C TOTAL	288	188.055			
ROOT MSE		0.782871	R-SQUARE		0.1559
DEP MEAN		0.474048	ADJ R-SQ		0.0614
C.V.		165.1458			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEP	1	-0.344808	1.451055	-0.238
UICEFF01	1	-0.143579	0.208048	-0.690
UICEFF02	1	-0.331464	0.198086	-1.673
UICEFF03	1	-0.062231	0.203638	-0.306
UICEFF04	1	0.396020	0.239476	1.654
UICEFF05	1	-0.099136	0.209576	-0.473
UICEFF06	1	-0.542270	0.228315	-2.375
UICEFF07	1	0.450472	0.198723	2.267
UICEFF08	1	0.062785	0.217939	0.288
UICEFF09	1	0.647706	0.209130	3.097
UICEFF10	1	0.083849	0.197979	0.424
UICEFF11	1	-0.459636	0.207193	-2.218
UICEFF12	1	-0.120671	0.203272	-0.594
UICEFF13	1	-0.146501	0.200428	-0.731
UICEFF14	1	0.104469	0.214594	0.487
UICEFF15	1	0.200044	0.207589	0.964
UICEFF16	1	-0.031777	0.239923	-0.132
SERVICE	1	.000028880736	C.0001430559	0.201
PREWENTY	1	0.394591	0.433338	0.911
OVERHAUL	1	-0.442508	0.260064	-1.702
DEPFIT	1	-0.097700	0.109907	-0.889
HSDGEM	1	0.004278639	0.006665933	0.642
AFQTEM	1	-0.00177222	0.0044931 71	-0.394
ENAGEEM	1	0.012113	0.085749	0.141

PRAGEEM	1	0.031105	0.048381	0.643
PAYGREM	1	-0.041558	0.140383	-0.296
YRACDEM	1	-0.033546	0.060530	-0.554
TMEGREM	1	0.008767164	0.008338091	1.051
UFILIEM	1	-0.00398179	0.002047989	-1.944
LFILIEM	1	.000095888868	0.001212976	0.082

DEP VARIABLE: M TOTAL HOURS DOWNTIME DUE TO MAINTENANCE

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	30868466	1064430	1.621	0.0270
ERROR	259	170098105	656749		
C TOTAL	288	200966571			

ROOT MSE	810.401	R-SQUARE	0.1536
DEP MEAN	544.699	ADJ R-SQ	0.0588
C.V.	148.7796		

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR HO: PARAMETER=0
INTERCEP	1	-1506.482	1502.081	-1.003
UICEFF01	1	4.620081	215.364	0.021
UICEFF02	1	-191.828	205.051	-0.936
UICEFF03	1	-133.112	210.799	-0.631
UICEFF04	1	148.936	247.897	0.601
UICEFF05	1	183.962	216.946	0.848
UICEFF06	1	-659.135	236.344	-2.789
UICEFF07	1	606.410	205.711	2.948
UICEFF08	1	320.557	225.603	1.421
UICEFF09	1	499.490	216.484	2.307
UICEFF10	1	-3.649388	204.941	-0.018
UICEFF11	1	-323.368	214.479	-1.508
UICEFF12	1	-279.729	210.420	-1.329
UICEFF13	1	-144.308	207.476	-0.696
UICEFF14	1	224.854	222.140	1.012
UICEFF15	1	-138.833	214.889	-0.646
UICEFF16	1	-189.291	248.360	-0.762
SERVICE	1	0.099191	0.148086	0.670
PREWRNTY	1	-167.598	448.576	-0.374
OVERHAUL	1	-639.278	269.209	-2.375
DEPFIT	1	-132.770	113.772	-1.167
HSDGEM	1	10.814167	6.900340	1.567
AFQTEM	1	-7.752296	4.651173	-1.667
ENAGEEM	1	12.190167	88.764586	0.137
PRAGEEM	1	49.669787	50.082160	0.992
PAYGREM	1	123.803	145.320	0.852
YRACDEM	1	-78.978295	62.659026	-1.260
TMEGREM	1	7.504451	8.631299	0.869
UFILIEM	1	-4.822770	2.120007	-2.275
LFILIEM	1	0.311079	1.255631	0.248

READINESS REGRESSIONS FOR THE GMT RATING

DEP VARIABLE: K1 TOTAL NUMBER OF CASREPS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	38.638444	1.332360	2.986	0.0001
ERROR	356	158.825	0.446138		
C TOTAL	385	197.464			

ROOT MSE	0.667936	R-SQUARE	0.1957
DEP MEAN	0.448187	ADJ R-SQ	0.1302
C.V.	149.0308		

	PARAMETER	STANDARD	T FOR HO:

VARIABLE	DF	ESTIMATE	ERROR	PARAMETER=0
INTERCEP	1	1.420674	0.765593	1.856
UICEFF01	1	0.039623	0.163069	0.243
UICEFF02	1	-0.109919	0.165362	-0.665
UICEFF03	1	0.0099905309	0.169915	0.058
UICEFF04	1	0.206465	0.155116	1.331
UICEFF05	1	0.422117	0.156668	2.694
UICEFF06	1	-0.486432	0.203159	-2.394
UICEFF07	1	-0.039428	0.153794	-0.256
UICEFF08	1	0.310998	0.162909	1.909
UICEFF09	1	-0.235759	0.142228	-1.658
UICEFF10	1	0.593738	0.149913	3.961
UICEFF11	1	-0.460050	0.139130	-3.307
UICEFF12	1	-0.311823	0.149995	-2.079
UICEFF13	1	0.405724	0.146378	2.772
UICEFF14	1	-0.00360496	0.131608	-0.027
UICEFF15	1	-0.050051	0.131629	-0.380
UICEFF16	1	-0.269182	0.145529	-1.850
SERVICE	1	-0.00012654	.00008010645	-1.580
PREWENTY	1	-0.010458	0.133483	-0.078
OVERHAUL	1	-0.489597	0.156772	-3.123
DEPFLT	1	-0.035485	0.085130	-0.417
HSDGGMT	1	-0.00578906	0.0025002 54	-2.315
AFQTGMT	1	-0.00496096	0.003494172	-1.420
ENAGEGMT	1	0.089007	0.040822	2.180
PRAGEGMT	1	-0.075815	0.026740	-2.835
PAYGRGMT	1	0.042952	0.082166	0.523
YRACDGMT	1	0.033628	0.034895	0.964
TMEGEGMT	1	-0.00294353	0.004724591	-0.623
UFILIGMT	1	0.0003563588	0.0007746021	0.460
LFILIGMT	1	-0.00141169	0.0007642126	-1.847

DEP VARIABLE: K2 TOTAL NUMBER OF C-2 CASREPS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	27.796575	0.958503	2.496	0.0001
ERROR	356	136.735	0.384086		
C TOTAL	385	164.531			
ROOT MSE		0.619746	R-SQUARE		0.1689
DEP MEAN		0.375648	ADJ R-SQ		0.1012
C.V.		164.9808			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEP	1	1.130342	0.710358	1.591
UICEFF01	1	0.037982	0.151304	0.251
UICEFF02	1	-0.000316768	0.153431	-0.002
UICEFF03	1	0.045855	0.157657	0.291
UICEFF04	1	0.226795	0.143924	1.576
UICEFF05	1	0.253943	0.145365	1.747
UICEFF06	1	-0.367451	0.188502	-1.949
UICEFF07	1	-0.148478	0.142698	-1.041
UICEFF08	1	0.233208	0.151156	1.543
UICEFF09	1	-0.168027	0.131967	-1.273
UICEFF10	1	0.558650	0.139097	4.016
UICEFF11	1	-0.367464	0.129092	-2.847
UICEFF12	1	-0.248999	0.139174	-1.789
UICEFF13	1	0.327825	0.135818	2.414
UICEFF14	1	0.001008878	0.122113	0.008
UICEFF15	1	-0.048645	0.122132	-0.398
UICEFF16	1	-0.298757	0.135030	-2.213
SERVICE	1	-0.000123366	.00007432702	-1.660
PREWENTY	1	-0.00629568	0.123853	-0.051
OVERHAUL	1	-0.391772	0.145462	-2.693
DEPFLT	1	0.040046	0.078988	0.507
HSDGGMT	1	-0.00499457	0.002319868	-2.153

AFQTGMT	1	-0.00289024	0.003242078	-0.891
ENAGEGMT	1	0.064742	0.037877	1.709
PRAGEGMT	1	-0.056653	0.024811	-2.283
PAYGEGMT	1	0.042682	0.076238	0.560
YRACDGMT	1	0.035176	0.032378	1.086
TMEGEGMT	1	-0.00396462	0.004383727	-0.904
UFILIGMT	1	-0.00006247	0.0007187 17	-0.087
LFILIGMT	1	-0.00110115	0.0007090771	-1.553

DEP VARIABLE: INDEX01 LOG-TRANSFORMED READINESS INDEX (NPS)

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	2.221987	0.076620	1.918	0.0036
ERROR	356	14.224731	0.039957		
C TOTAL	385	16.446718			
ROOT MSE		0.199893	R-SQUARE		0.1351
DEP MEAN		0.110889	ADJ R-SQ		0.0646
C.V.		180.2632			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEP	1	0.437892	0.229118	1.911
UICEFF01	1	0.023632	0.048802	0.484
UICEFF02	1	-0.037990	0.049488	-0.768
UICEFF03	1	-0.017551	0.050850	-0.345
UICEFF04	1	0.004914313	0.046421	0.106
UICEFF05	1	0.072494	0.046886	1.546
UICEFF06	1	-0.050026	0.060799	-0.823
UICEFF07	1	-0.026031	0.046026	-0.566
UICEFF08	1	0.068436	0.048754	1.404
UICEFF09	1	-0.065355	0.042565	-1.535
UICEFF10	1	0.146699	0.044864	3.270
UICEFF11	1	-0.110645	0.041637	-2.657
UICEFF12	1	-0.072285	0.044889	-1.610
UICEFF13	1	0.133542	0.043807	3.048
UICEFF14	1	-0.033544	0.039386	-0.852
UICEFF15	1	0.035035	0.039393	0.889
UICEFF16	1	-0.039996	0.043552	-0.918
SERVICE	1	.000001C7141	0.0000239734	0.045
PREWENTY	1	0.007189489	0.039947	0.180
OVERHAUL	1	-0.114542	0.046917	-2.441
DEPFIT	1	-0.022781	0.025477	-0.894
HSDGGMT	1	-0.001C5407	0.0007482493	-1.409
AFQTGMT	1	-0.000463279	0.0010456 98	-0.443
ENAGEGMT	1	0.018939	0.012217	1.550
PRAGEGMT	1	-0.023132	0.008002451	-2.891
PAYGEGMT	1	-0.002 11431	0.024590	-0.086
YRACDGMT	1	0.011056	0.010443	1.059
TMEGEGMT	1	-0.000206882	0.001413925	-0.146
UFILIGMT	1	0.000193086	0.0002318146	0.833
LFILIGMT	1	-0.000409503	0.0002287054	-1.791

DEP VARIABLE: PRSCAUSE TOTAL OF PRESUMED PERSONNEL-BASED CAUSES

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	8.919458	0.307568	1.656	0.0199
ERROR	356	66.116812	0.185721		
C TOTAL	385	75.036269			
ROOT MSE		0.430954	R-SQUARE		0.1189
DEP MEAN		0.196891	ADJ R-SQ		0.0471
C.V.		218.8793			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0

INTERCEP	1	1.250289	0.493963	2.531
UICEFF01	1	0.253975	0.105212	2.414
UICEFF02	1	-0.246487	0.106692	-2.310
UICEFF03	1	-0.113233	0.109630	-1.033
UICEFF04	1	0.082181	0.100081	0.821
UICEFF05	1	0.031933	0.101083	0.316
UICEFF06	1	-0.068148	0.131079	-0.520
UICEFF07	1	0.029762	0.099228	0.300
UICEFF08	1	0.041820	0.105109	0.398
UICEFF09	1	-0.092376	0.091766	-1.007
UICEFF10	1	0.247961	0.096724	2.564
UICEFF11	1	-0.144468	0.089767	-1.609
UICEFF12	1	-0.075494	0.096777	-0.780
UICEFF13	1	0.180784	0.094444	1.914
UICEFF14	1	0.055669	0.084914	0.656
UICEFF15	1	-0.045866	0.084927	-0.540
UICEFF16	1	-0.186553	0.093896	-1.987
SERVICE	1	-.00000040502	.00005168489	-0.078
PREWRNTY	1	0.134321	0.086124	1.560
OVERHAUL	1	-0.250959	0.101150	-2.481
DEPFLT	1	-0.036705	0.054926	-0.668
HSDGGMT	1	-0.00510953	0.00161317	-3.167
AFQTGMT	1	-0.000940689	0.002254449	-0.417
ENAGEGMT	1	0.0019301	0.026339	0.073
PRAGEGMT	1	-0.023247	0.017253	-1.347
PAYGRGMT	1	0.011757	0.053014	0.222
YRACDGMT	1	0.011894	0.022515	0.528
TMEGRGMT	1	-0.0015447	0.003048319	-0.507
UFILLGMT	1	-.00000037524	0.0004997753	-0.008
LFILLGMT	1	-0.000809215	0.000493072	-1.641

DEP VARIABLE: TECHASS NR OF TECHNICAL ASSISTANCE REQUESTS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	10.807283	0.372665	1.700	0.0151
ERROR	356	78.032095	0.219191		
C TOTAL	385	88.839378			
ROOT MSE		0.468179	R-SQUARE		0.1216
DEP MEAN		0.222798	ADJ R-SQ		0.0501
C.V.		210.136			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEP	1	0.953953	0.536630	1.778
UICEFF01	1	0.110453	0.114300	0.966
UICEFF02	1	0.093605	0.115908	0.808
UICEFF03	1	-0.201603	0.119099	-1.693
UICEFF04	1	0.130266	0.108726	1.198
UICEFF05	1	0.152359	0.109814	1.387
UICEFF06	1	-0.072543	0.142401	-0.509
UICEFF07	1	0.030244	0.107799	0.281
UICEFF08	1	0.094860	0.114189	0.831
UICEFF09	1	-0.057154	0.099693	-0.573
UICEFF10	1	0.255884	0.105079	2.435
UICEFF11	1	-0.240324	0.097521	-2.464
UICEFF12	1	-0.134698	0.105137	-1.281
UICEFF13	1	0.129079	0.102602	1.258
UICEFF14	1	-0.211076	0.092249	-2.288
UICEFF15	1	0.030151	0.092263	0.327
UICEFF16	1	-0.129299	0.102006	-1.268
SERVICE	1	0.00000035366	.00005614929	0.063
PREWRNTY	1	0.0005513571	0.093563	0.006
OVERHAUL	1	-0.224690	0.109887	-2.045
DEPFLT	1	-0.035255	0.059670	-0.591
HSDGGMT	1	-0.00425876	0.001752512	-2.430
AFQTGMT	1	-0.00128555	0.002449182	-0.525

ENAGEGMT	1	0.043717	0.028614	1.528
PRAGEGMT	1	-0.049152	0.018743	-2.622
PAYGEGMT	1	0.022713	0.057593	0.394
YRACLGMT	1	0.026150	0.024459	1.069
TMEGEGMT	1	-0.00153963	0.003311624	-0.465
UFILLGMT	1	0.0001187338	0.0005429445	0.219
LFILLGMT	1	-0.000905427	0.0005356622	-1.690

DEP VARIABLE: S TOTAL HOURS DOWNTIME DUE TO SUPPLY

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	10564563	378088	2.892	0.0001
ERROR	356	46945369	130745		
C TOTAL	385	57509932			
ROOT MSE		361.587	R-SQUARE		0.1907
DEP MEAN		146.272	ADJ R-SQ		0.1247
C.V.		247.202			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR HO: PARAMETER=0
INTERCEP	1	-500.915	414.454	-1.209
UICEFF01	1	-25.983123	88.277410	-0.294
UICEFF02	1	98.183860	89.518640	1.097
UICEFF03	1	14.471061	91.983763	0.157
UICEFF04	1	92.633744	83.971861	1.103
UICEFF05	1	309.953	84.812251	3.655
UICEFF06	1	-352.570	109.980	-3.206
UICEFF07	1	-105.389	83.256420	-1.266
UICEFF08	1	236.737	88.190962	2.684
UICEFF09	1	-113.824	76.995288	-1.478
UICEFF10	1	64.803368	81.155517	0.799
UICEFF11	1	-162.804	75.318223	-2.162
UICEFF12	1	-101.898	81.199984	-1.255
UICEFF13	1	89.509894	79.242039	1.130
UICEFF14	1	108.233	71.246101	1.519
UICEFF15	1	-38.917098	71.257422	-0.546
UICEFF16	1	-96.884714	78.782262	-1.230
SERVICE	1	-0.075182	0.043366	-1.734
PREWRNTY	1	-121.829	72.261252	-1.686
OVERHAUL	1	-124.684	84.868673	-1.469
DEPFLT	1	19.821172	46.085081	0.430
HSDGGMT	1	-2.086820	1.353513	-1.542
AFQTGMT	1	-2.731863	1.891571	-1.444
ENAGEGMT	1	80.116312	22.099157	3.625
PRAGEGMT	1	-30.066315	14.475689	-2.077
PAYGEGMT	1	33.067506	44.480616	0.743
YRACLGMT	1	10.485361	18.890566	0.555
TMEGEGMT	1	1.120404	2.557659	0.438
UFILLGMT	1	0.717407	0.419331	1.711
LFILLGMT	1	0.138745	0.413707	0.335

DEP VARIABLE: T TOTAL HOURS DOWNTIME

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	17500245	603457	2.354	0.0002
ERROR	356	91260989	256351		
C TOTAL	385	108761234			
ROOT MSE		506.311	R-SQUARE		0.1609
DEP MEAN		262.192	ADJ R-SQ		0.0926
C.V.		193.1073			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR HO: PARAMETER=0
INTERCEP	1	-4.050278	580.337	-0.007
UICEFF01	1	-38.461776	123.610	-0.311

UICEFF02	1	100.100	125.348	0.799
UICEFF03	1	7.902869	128.800	0.061
UICEFF04	1	101.685	117.581	0.865
UICEFF05	1	386.940	118.758	3.258
UICEFF06	1	-340.909	153.999	-2.214
UICEFF07	1	-164.947	116.579	-1.415
UICEFF08	1	217.309	123.489	1.760
UICEFF09	1	-141.921	107.812	-1.316
UICEFF10	1	221.409	113.638	1.948
UICEFF11	1	-273.157	105.464	-2.590
UICEFF12	1	-188.948	113.700	-1.662
UICEFF13	1	235.043	110.958	2.118
UICEFF14	1	21.017699	99.762069	0.211
UICEFF15	1	70.741563	99.777921	0.709
UICEFF16	1	-130.546	110.315	-1.183
SERVICE	1	-0.067928	0.060723	-1.119
PREWENTY	1	-87.789826	101.184	-0.868
OVERHAUL	1	-231.114	118.837	-1.945
DEPFLT	1	-2.289563	64.530452	-0.035
HSDGGMT	1	-2.635368	1.895252	-1.391
AFQTGMT	1	-2.579490	2.648665	-0.974
ENAGEGMT	1	87.466701	30.944256	2.827
PRAGEGMT	1	-49.042083	20.269525	-2.419
PAYGRGMT	1	31.362287	62.283805	0.504
YRACLGMT	1	19.122334	26.451439	0.723
TMEGEGMT	1	0.692263	3.581352	0.193
UFILLGMT	1	0.614249	0.587167	1.046
LFILLGMT	1	-0.190910	0.579291	-0.330

READINESS REGRESSIONS FOR THE EN RATING

DEP VARIABLE: K1 TOTAL NUMBER OF CASREPS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	184.101	6.348307	3.044	0.0001
ERROR	259	540.079	2.085247		
C TOTAL	288	724.180			

ROOT MSE	1.444039	R-SQUARE	0.2542
DEP MEAN	1.515571	ADJ R-SQ	0.1707
C.V.	95.28017		

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEP	1	-2.749883	3.937758	-0.698
UICEFF01	1	-0.771866	0.381343	-2.024
UICEFF02	1	0.013370	0.370815	0.036
UICEFF03	1	-0.676636	0.360865	-1.875
UICEFF04	1	0.518883	0.361147	1.437
UICEFF05	1	0.560131	0.370189	1.513
UICEFF06	1	-0.674645	0.368212	-1.832
UICEFF07	1	1.540888	0.387810	3.973
UICEFF08	1	-0.115812	0.353475	-0.328
UICEFF09	1	0.728039	0.363191	2.005
UICEFF10	1	-0.697106	0.402593	-1.732
UICEFF11	1	0.104244	0.367854	0.283
UICEFF12	1	-0.557526	0.352571	-1.581
UICEFF13	1	-0.093495	0.379566	-0.246
UICEFF14	1	0.597703	0.371180	1.610
UICEFF15	1	-0.430723	0.379221	-1.136
UICEFF16	1	0.446941	0.382939	1.167
SERVICE	1	0.00002853266	0.00002456882	1.161
PREWENTY	1	0.122152	0.882124	0.138
OVERHAUL	1	-1.460847	0.471332	-3.099
DEPFLT	1	0.607645	0.195064	3.115
HSDGEN	1	0.013205	0.00830826	1.589

AFQTEN	1	0.011166	0.016966	0.658
ENAGEEN	1	0.423020	0.200619	2.109
PRAGEEN	1	-0.234540	0.164897	-1.422
PAYGREN	1	-0.093476	0.224962	-0.416
YRACCEN	1	0.157923	0.202522	0.780
TMEGREN	1	-0.043942	0.029614	-1.484
UFILLEN	1	-0.00440973	0.003448556	-1.279
LFILLEN	1	-0.00131104	0.003351936	-0.391

DEP VARIABLE: K2 TOTAL NUMBER OF C-2 CASREPS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	141.069	4.864447	2.673	0.0001
ERROR	259	471.374	1.819977		
C TOTAL	288	612.443			

ROOT MSE	1.349065	R-SQUARE	0.2303
DEP MEAN	1.335640	ADJ R-SQ	0.1442
C.V.	101.0051		

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEP	1	-3.193472	3.678774	-0.868
UICEFF01	1	-0.648086	0.356263	-1.819
UICEFF02	1	0.165512	0.346426	0.478
UICEFF03	1	-0.612751	0.337131	-1.818
UICEFF04	1	0.043663	0.337395	0.129
UICEFF05	1	0.664006	0.345842	1.920
UICEFF06	1	-0.561633	0.343995	-1.633
UICEFF07	1	1.007196	0.362304	2.780
UICEFF08	1	-0.034439	0.330227	-0.104
UICEFF09	1	0.811216	0.339304	2.391
UICEFF10	1	-0.628070	0.376115	-1.670
UICEFF11	1	0.047737	0.343660	0.139
UICEFF12	1	-0.420256	0.329383	-1.276
UICEFF13	1	-0.237336	0.354602	-0.669
UICEFF14	1	0.715579	0.346768	2.064
UICEFF15	1	-0.254903	0.354280	-0.719
UICEFF16	1	0.418136	0.357753	1.169
SERVICE	1	0.00031116993	0.00022295295	1.358
PREWENTY	1	0.320547	0.824107	0.389
OVERHAUL	1	-1.237181	0.440333	-2.810
DEPFIT	1	0.692376	0.182235	3.799
HSDGEN	1	0.012652	0.00776183	1.630
AFQTEN	1	0.014230	0.015850	0.898
ENAGEEN	1	0.374112	0.187425	1.996
PRAGEEN	1	-0.206235	0.154052	-1.339
PAYGREN	1	0.027185	0.210166	0.129
YRACCEN	1	0.054869	0.189202	0.290
TMEGREN	1	-0.043608	0.027666	-1.576
UFILLEN	1	-0.00341366	0.003221747	-1.060
LFILLEN	1	0.00022397528	0.00313148 2	0.077

DEP VARIABLE: K3 TOTAL NUMBER OF C-3 CASREPS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	11.683496	0.402879	1.972	0.0030
ERROR	259	52.918580	0.204319		
C TOTAL	288	64.602076			

ROOT MSE	0.452016	R-SQUARE	0.1809
DEP MEAN	0.148789	ADJ R-SQ	0.0891
C.V.	303.7971		

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0

INTERCEP	1	-0.582289	1.232606	-0.472
UICEFF01	1	-0.074063	0.119369	-0.620
UICEFF04	1	0.396454	0.113047	3.507
UICEFF05	1	-0.075064	0.115878	-0.648
UICEFF06	1	-0.044454	0.115258	-0.386
UICEFF07	1	0.462024	0.121393	3.806
UICEFF08	1	-0.099993	0.110646	-0.904
UICEFF09	1	-0.064350	0.113687	-0.566
UICEFF10	1	-0.060512	0.126021	-0.480
UICEFF11	1	0.075502	0.115146	0.656
UICEFF12	1	-0.131343	0.110363	-1.190
UICEFF13	1	0.094589	0.118813	0.796
UICEFF14	1	-0.099787	0.116188	-0.859
UICEFF15	1	-0.174907	0.118705	-1.473
UICEFF16	1	0.057060	0.119868	0.476
SERVICE	1	0.0000724904	.00007690591	0.943
PREWENTY	1	-0.078607	0.276125	-0.285
OVERHAUL	1	-0.191313	0.147537	-1.297
DEPFLT	1	-0.063520	0.061059	-1.040
HSDGEN	1	-0.0003326622	0.002600672	-0.126
AFQTEN	1	0.0013315764	0.005310782	0.248
ENAGEEN	1	0.101184	0.062798	1.611
PRAGEEN	1	-0.040933	0.051617	-0.793
PAYGEEN	1	-0.072754	0.070418	-1.033
YRACDEN	1	0.048671	0.063394	0.768
TMEGEEN	1	-0.000194336	0.009269875	-0.021
UFILLEN	1	-0.000785067	0.001079475	-0.727
LFILLEN	1	-0.00159447	0.001049231	-1.520

DEP VARIABLE: K4 TOTAL NUMBER OF C-4 CASREPS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	1.323302	0.045631	1.598	0.0308
ERROR	259	7.396421	0.028558		
C TOTAL	288	8.719723			

ROOT MSE	0.168990	R-SQUARE	0.1518
DEP MEAN	0.031142	ADJ R-SQ	0.0568
C.V.	542.6456		

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEP	1	1.025878	0.460820	2.226
UICEFF01	1	-0.049717	0.044627	-1.114
UICEFF02	1	-0.039527	0.043395	-0.911
UICEFF03	1	-0.082366	0.042231	-1.950
UICEFF04	1	0.078766	0.042264	1.864
UICEFF05	1	-0.028811	0.043322	-0.665
UICEFF06	1	-0.068559	0.043090	-1.591
UICEFF07	1	0.071667	0.045384	1.579
UICEFF08	1	0.018621	0.041366	0.450
UICEFF09	1	-0.018827	0.042503	-0.443
UICEFF10	1	-0.008552366	0.047114	-0.181
UICEFF11	1	-0.018996	0.043048	-0.441
UICEFF12	1	-0.00592638	0.041260	-0.144
UICEFF13	1	0.049253	0.044419	1.109
UICEFF14	1	-0.018089	0.043438	-0.416
UICEFF15	1	-0.000912654	0.044379	-0.021
UICEFF16	1	-0.028256	0.044814	-0.631
SERVICE	1	-.00009888631	.00002875189	-3.438
PREWENTY	1	-0.119787	0.103231	-1.160
OVERHAUL	1	-0.032352	0.055158	-0.587
DEPFIT	1	-0.021211	0.022828	-0.929
HSDGEN	1	0.0008794565	0.00097228l9	0.905
AFQTEN	1	-0.00438004	0.001985478	-2.206
ENAGEEN	1	-0.052276	0.023478	-2.227
PRAGEEN	1	0.012628	0.019297	0.654

PAYGREN	1	-0.047907	0.026326	-1.820
YRACDEN	1	0.054383	0.023700	2.295
TMEGREN	1	-0.000139867	0.003465617	-0.040
UFILLEN	1	-0.000211005	0.0004035705	-0.523
LFILLEN	1	.00004368046	C.0003922635	0.111

DEP VARIABLE: INDEX01 LOG-TRANSFORMED READINESS INDEX (NPS)

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	23.502319	0.810425	2.717	0.0001
ERROR	259	77.252170	0.298271		
C TOTAL	288	100.754			

ROOT MSE	0.546142	R-SQUARE	0.2333
DEP MEAN	0.485185	ADJ R-SQ	0.1474
C.V.	112.5637		

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEP	1	-1.104592	1.489278	-0.742
UICEFF01	1	-0.226286	0.144226	-1.569
UICEFF02	1	-0.052765	0.140244	-0.376
UICEFF03	1	-0.231307	0.136481	-1.695
UICEFF04	1	0.275412	0.136588	2.016
UICEFF05	1	0.278369	0.140007	1.988
UICEFF06	1	-0.185382	0.139259	-1.331
UICEFF07	1	0.443895	0.146671	3.026
UICEFF08	1	0.016007	0.133686	0.120
UICEFF09	1	0.345681	0.137360	2.517
UICEFF10	1	-0.299927	0.152263	-1.970
UICEFF11	1	-0.045995	0.139124	-0.331
UICEFF12	1	-0.322767	0.133344	-2.421
UICEFF13	1	-0.022941	0.143553	-0.160
UICEFF14	1	0.233406	0.140382	1.663
UICEFF15	1	-0.115582	0.143423	-0.806
UICEFF16	1	0.162439	0.144829	1.122
SERVICE	1	0.0001369094	.00009292038	1.473
PREWENTY	1	0.0007006518	0.333623	0.002
OVERHAUL	1	-0.509856	0.178260	-2.860
DEPFLT	1	0.075265	0.073774	1.020
HSDGEN	1	0.003700776	0.003142221	1.178
AFQTEN	1	0.004014881	0.00641667	0.626
ENAGEEN	1	0.191190	0.075875	2.520
PRAGEEN	1	-0.119656	0.062365	-1.919
PAYGREN	1	0.00648135	0.085081	0.076
YRACDEN	1	0.062926	0.076595	0.822
TMEGREN	1	-0.012738	0.011200	-1.137
UFILLEN	1	-0.00104269	0.001304259	-0.799
LFILLEN	1	-0.00082371	0.001267717	-0.650

DEP VARIABLE: MEMRAC LOG-TRANSFORMED READINESS INDEX (SPCC)

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	334.990	11.551383	2.378	0.0002
ERROR	259	1258.274	4.858201		
C TOTAL	288	1593.264			

ROOT MSE	2.204133	R-SQUARE	0.2103
DEP MEAN	0.788636	ADJ R-SQ	0.1218
C.V.	279.4867		

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEP	1	5.275616	6.010463	0.878
UICEFF01	1	-0.661707	0.582070	-1.137

UICEFF02	1	-0.714978	0.565999	-1.263
UICEFF03	1	-0.423431	0.550813	-0.769
UICEFF04	1	1.950643	0.551243	3.539
UICEFF05	1	-0.334186	0.565045	-0.591
UICEFF06	1	-0.501872	0.562026	-0.893
UICEFF07	1	2.618699	0.591940	4.424
UICEFF08	1	-0.218140	0.539533	-0.404
UICEFF09	1	-0.408958	0.554362	-0.738
UICEFF10	1	-0.550633	0.614505	-0.896
UICEFF11	1	0.068541	0.561480	0.122
UICEFF12	1	-0.585020	0.538153	-1.087
UICEFF13	1	0.933271	0.579356	1.611
UICEFF14	1	-0.268103	0.566557	-0.473
UICEFF15	1	-0.747050	0.578830	-1.291
UICEFF16	1	0.037431	0.584505	0.064
SERVICE	1	-0.000264716	0.00003750103	-0.706
PREWRNTY	1	-0.886512	1.346445	-0.658
OVERHAUL	1	-0.908543	0.719426	-1.263
DEPFLT	1	-0.480745	0.297739	-1.615
HSDGEN	1	0.006048594	0.012681	0.477
AFQTEN	1	-0.015437	0.025897	-0.596
ENAGEEN	1	0.160254	0.306218	0.523
PRAGEEN	1	-0.259162	0.251694	-1.030
PAYGREN	1	-0.535976	0.343374	-1.561
YRACDEN	1	0.573908	0.309123	1.857
TMEGEEN	1	0.003552558	0.045202	0.079
UFILLEN	1	-0.00426715	0.005263761	-0.811
LFILLEN	1	-0.00551336	0.005116284	-1.078

DEP VARIABLE: M TOTAL HOURS DOWNTIME DUE TO MAINTENANCE

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	58845148	2029143	1.824	0.0079
ERROR	259	288128044	1112463		
C TOTAL	288	346973192			

ROOT MSE	1054.734	R-SQUARE	0.1696
DEP MEAN	679.315	ADJ R-SQ	0.0766
C.V.	155.2644		

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEP	1	-1512.752	2876.160	-0.526
UICEFF01	1	-124.867	278.535	-0.448
UICEFF02	1	-291.150	270.845	-1.075
UICEFF03	1	-302.990	263.578	-1.150
UICEFF04	1	234.729	263.784	0.890
UICEFF05	1	801.987	270.388	2.966
UICEFF06	1	-54.159987	268.944	-0.201
UICEFF07	1	447.286	283.258	1.579
UICEFF08	1	42.440808	258.180	0.164
UICEFF09	1	520.399	265.276	1.962
UICEFF10	1	-500.105	294.056	-1.701
UICEFF11	1	-102.109	268.682	-0.380
UICEFF12	1	-553.542	257.520	-2.150
UICEFF13	1	-36.718426	277.237	-0.132
UICEFF14	1	442.494	271.112	1.632
UICEFF15	1	-17.004568	276.985	-0.061
UICEFF16	1	109.569	279.701	0.392
SERVICE	1	0.310796	0.179452	1.732
PREWRNTY	1	-3.438234	644.308	-0.005
OVERHAUL	1	-819.592	344.264	-2.381
DEPFLT	1	-73.319521	142.476	-0.515
HSDGEN	1	1.415769	6.068400	0.233
AFQTEN	1	7.147436	12.392163	0.577
ENAGEEN	1	351.033	146.533	2.396
PRAGEEN	1	-246.007	120.442	-2.043

PAYGREN	1	66.199533	164.313	0.403
YRACCEN	1	90.706881	147.923	0.613
TMEGREN	1	-17.163688	21.630301	-0.794
UFILLEN	1	-0.796684	2.518845	-0.316
LFILLEN	1	-1.349341	2.448273	-0.551

DEP VARIABLE: S TOTAL HOURS DOWNTIME DUE TO SUPPLY

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	23430516	807949	1.922	0.0042
ERROR	259	108889830	420424		
C TOTAL	288	132320346			

ROOT MSE	648.401	R-SQUARE	0.1771
DEP MEAN	391.671	ADJ R-SQ	0.0849
C.V.	165.5473		

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEP	1	2364.623	1768.129	1.337
UICEFF01	1	-305.967	171.231	-1.787
UICEFF02	1	250.663	166.503	1.505
UICEFF03	1	-151.029	162.036	-0.932
UICEFF04	1	-150.719	162.162	-0.929
UICEFF05	1	151.045	166.222	0.909
UICEFF06	1	-213.195	165.334	-1.289
UICEFF07	1	635.868	174.134	3.652
UICEFF08	1	-228.836	158.717	-1.442
UICEFF09	1	-234.900	163.080	-1.440
UICEFF10	1	-193.528	180.772	-1.071
UICEFF11	1	201.704	165.173	1.221
UICEFF12	1	3.943006	158.311	0.025
UICEFF13	1	311.458	170.432	1.827
UICEFF14	1	44.236434	166.667	0.265
UICEFF15	1	-246.119	170.277	-1.445
UICEFF16	1	102.849	171.947	0.598
SERVICE	1	-0.101580	0.110319	-0.921
PREWRNTY	1	-254.616	396.091	-0.643
OVERHAUL	1	-341.134	211.637	-1.612
DEPFLT	1	135.015	87.587480	1.541
HSDGEN	1	4.336071	3.730569	1.162
AFQTEN	1	5.283953	7.618123	0.694
ENAGEEN	1	-71.551591	90.081871	-0.794
PRAGEEN	1	-40.409290	74.042073	-0.546
PAYGREN	1	-97.112529	101.012	-0.961
YRACCEN	1	16.001129	90.936190	0.176
TMEGREN	1	4.614171	13.297300	0.347
UFILLEN	1	-0.144425	1.548468	-0.093
LFILLEN	1	-0.209215	1.505084	-0.139

DEP VARIABLE: T TOTAL HOURS DOWNTIME

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	96827773	3338889	2.221	0.0006
ERROR	259	389401831	1503482		
C TOTAL	288	486229604			

ROOT MSE	1226.166	R-SQUARE	0.1991
DEP MEAN	1070.986	ADJ R-SQ	0.1095
C.V.	114.4894		

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEP	1	851.871	3343.639	0.255
UICEFF01	1	-430.834	323.807	-1.331
UICEFF02	1	-40.487696	314.867	-0.129
UICEFF03	1	-454.018	306.419	-1.482

UICEFF04	1	84.009590	306.658	0.274
UICEFF05	1	953.032	314.336	3.032
UICEFF06	1	-267.355	312.657	-0.855
UICEFF07	1	1083.155	329.298	3.289
UICEFF08	1	-186.396	300.144	-0.621
UICEFF09	1	285.498	308.393	0.926
UICEFF10	1	-693.633	341.851	-2.029
UICEFF11	1	99.595230	312.353	0.319
UICEFF12	1	-549.599	299.376	-1.836
UICEFF13	1	274.739	322.298	0.852
UICEFF14	1	486.730	315.177	1.544
UICEFF15	1	-263.124	322.005	-0.817
UICEFF16	1	212.417	325.162	0.653
SERVICE	1	0.209216	0.208619	1.003
PREWRNTY	1	-258.054	749.031	-0.345
OVERHAUL	1	-1160.726	400.219	-2.900
DEPFIT	1	61.695873	165.633	0.372
HSDGEN	1	5.751840	7.054730	0.815
AFQTEN	1	12.431390	14.406329	0.863
ENAGEEN	1	279.481	170.350	1.641
PRAGEEN	1	-286.416	140.018	-2.046
PAYGEEN	1	-30.912996	191.020	-0.162
YRACDEN	1	106.708	171.966	0.621
TMEGEEN	1	-12.549517	25.145993	-0.499
UFILLEN	1	-0.941110	2.928246	-0.321
LFILLEN	1	-1.558556	2.846204	-0.548

READINESS REGRESSIONS FOR THE GSM RATING

DEP VARIABLE: K1 TOTAL NUMBER OF CASREPS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	185.991	6.413495	2.004	0.0024
ERROR	259	828.728	3.199723		
C TOTAL	288	1014.720			

ROOT MSE	1.788777	R-SQUARE	0.1833
DEP MEAN	2.031142	ADJ R-SQ	0.0918
C.V.	88.06756		

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR HO: PARAMETER=0
INTERCEP	1	6.728346	5.494500	1.225
UICEFF01	1	-0.228590	0.544032	-0.420
UICEFF02	1	0.293662	0.551144	0.533
UICEFF03	1	-0.764194	0.534038	-1.431
UICEFF04	1	0.955425	0.485490	1.968
UICEFF05	1	0.916064	0.513738	1.783
UICEFF06	1	-1.060000	0.495385	-2.140
UICEFF07	1	1.055956	0.468009	2.256
UICEFF08	1	0.131760	0.490377	0.269
UICEFF09	1	0.641527	0.434092	1.478
UICEFF10	1	-0.268826	0.446525	-0.602
UICEFF11	1	-0.124109	0.446480	-0.278
UICEFF12	1	-0.793853	0.471969	-1.682
UICEFF13	1	-0.139429	0.553452	-0.252
UICEFF14	1	-0.772287	0.468701	-1.648
UICEFF15	1	0.559977	0.490006	1.143
UICEFF16	1	-0.089391	0.541634	-0.165
SERVICE	1	0.0004732121	0.0005775034	0.819
PREWRNTY	1	-0.588787	1.004630	-0.586
OVERHAUL	1	-2.248621	0.583394	-3.854
DEPFIT	1	0.198280	0.243448	0.814
HSDGGSM	1	-0.031934	0.027059	-1.180
AFQTGSM	1	-0.00955031	0.025571	-0.373
ENAGEGSM	1	-0.120772	0.277892	-0.435

PRAGEGSM	1	-0.020188	0.151758	-0.133
PAYGRGSM	1	0.387516	0.281996	1.374
YRACDGSM	1	-0.149380	0.176537	-0.846
TMEGRGSM	1	0.002536219	0.023455	0.108
UFILLGSM	1	0.001846387	0.005624682	0.328
LFILLGSM	1	-0.00179317	0.010859	-0.165

DEP VARIABLE: K2 TOTAL NUMBER OF C-2 CASREPS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	136.507	4.707132	1.869	0.0059
ERROR	259	652.344	2.518704		
C TOTAL	288	788.851			
ROOT MSE		1.587043	R-SQUARE		0.1730
DEP MEAN		1.636678	ADJ R-SQ		0.0805
C.V.		96.9673			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEP	1	3.874081	4.874842	0.795
UICEFF01	1	0.062005	0.482677	0.128
UICEFF02	1	0.349026	0.488987	0.714
UICEFF03	1	-0.763832	0.473811	-1.612
UICEFF04	1	1.110384	0.430737	2.578
UICEFF05	1	0.845151	0.455800	1.854
UICEFF06	1	-0.800124	0.439517	-1.820
UICEFF07	1	0.549945	0.415228	1.324
UICEFF08	1	0.151375	0.435073	0.348
UICEFF09	1	0.329867	0.385136	0.856
UICEFF10	1	-0.265218	0.396166	-0.669
UICEFF11	1	-0.316649	0.396127	-0.799
UICEFF12	1	-0.623698	0.418742	-1.489
UICEFF13	1	-0.241476	0.491035	-0.492
UICEFF14	1	-0.371057	0.415842	-0.892
UICEFF15	1	0.547875	0.434744	1.260
UICEFF16	1	-0.026920	0.480549	-0.056
SERVICE	1	0.000340930 4	0.000512373 8	0.665
PREWRNTY	1	-0.526254	0.891330	-0.590
OVERHAUL	1	-1.608139	0.517600	-3.107
DEPFLT	1	0.530039	0.215992	2.454
HSDGGSM	1	-0.020597	0.024007	-0.858
AFQTGSM	1	-0.020656	0.022687	-0.910
ENAGEGSM	1	0.002128658	0.246552	0.009
PRAGEGSM	1	0.014084	0.134643	0.105
PAYGRGSM	1	0.279351	0.250193	1.117
YRACDGSM	1	-0.119140	0.156627	-0.761
TMEGRGSM	1	-.00000316439	0.020810	-0.002
UFILLGSM	1	-0.00115749	0.004990343	-0.232
LFILLGSM	1	-0.00418684	0.009634359	-0.435

DEP VARIABLE: K3 TOTAL NUMBER OF C-3 CASREPS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	21.644710	0.746369	1.562	0.0377
ERROR	259	123.739	0.477758		
C TOTAL	288	145.384			
ROOT MSE		0.691201	R-SQUARE		0.1489
DEP MEAN		0.370242	ADJ R-SQ		0.0536
C.V.		186.6887			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEP	1	2.355229	2.123127	1.109
UICEFF01	1	-0.272018	0.210219	-1.294
UICEFF02	1	-0.025426	0.212967	-0.119

UICEFF03	1	0.013699	0.206358	0.066
UICEFF04	1	-0.111346	0.187598	-0.594
UICEFF05	1	0.093425	0.198513	0.471
UICEFF06	1	-0.241578	0.191422	-1.262
UICEFF07	1	0.479658	0.180843	2.652
UICEFF08	1	0.017289	0.189486	0.091
UICEFF09	1	0.323785	0.167737	1.930
UICEFF10	1	0.051952	0.172541	0.301
UICEFF11	1	0.113042	0.172524	0.655
UICEFF12	1	-0.154145	0.182373	-0.845
UICEFF13	1	0.093177	0.213859	0.436
UICEFF14	1	-0.386332	0.181111	-2.133
UICEFF15	1	0.037350	0.189343	0.197
UICEFF16	1	-0.141227	0.209292	-0.675
SERVICE	1	0.000014388991	0.000022231528	0.645
PREWENTY	1	-0.053277	0.388198	-0.137
OVERHAUL	1	-0.570815	0.225429	-2.532
DEPFIT	1	-0.294113	0.094071	-3.127
HSDGGSM	1	-0.010127	0.010456	-0.969
AFQTGSM	1	0.012110	0.009880717	1.226
ENAGEGSM	1	-0.167219	0.107380	-1.557
PRAGEGSM	1	0.011476	0.058641	0.196
PAYGRGSM	1	0.134064	0.108966	1.230
YRACDGSM	1	-0.036084	0.068215	-0.529
TMEGRGSM	1	0.001660079	0.009063233	0.205
UFIILGSM	1	0.001849304	0.002173431	0.851
LFIILGSM	1	0.00282878	0.004196028	0.674

DEP VARIABLE: INDEX01 LOG-TRANSFORMED READINESS INDEX (NPS)

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	28.715978	0.990206	2.513	0.0001
ERROR	259	102.046	0.394001		
C TOTAL	288	130.762			

ROOT MSE	0.627695	R-SQUARE	0.2196
DEP MEAN	0.629450	ADJ R-SQ	0.1322
C.V.	99.72119		

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR HO: PARAMETER=0
INTERCEP	1	2.067791	1.928061	1.072
UICEFF01	1	-0.143317	0.190905	-0.751
UICEFF02	1	-0.148360	0.193400	-0.767
UICEFF03	1	-0.374775	0.187398	-2.000
UICEFF04	1	0.280180	0.170362	1.645
UICEFF05	1	0.398025	0.180274	2.208
UICEFF06	1	-0.358021	0.173834	-2.060
UICEFF07	1	0.429368	0.164228	2.614
UICEFF08	1	0.057779	0.172077	0.336
UICEFF09	1	0.299293	0.152326	1.965
UICEFF10	1	-0.229924	0.156689	-1.467
UICEFF11	1	-0.034224	0.156673	-0.218
UICEFF12	1	-0.308399	0.165618	-1.862
UICEFF13	1	0.143556	0.194211	0.739
UICEFF14	1	-0.275969	0.164471	-1.678
UICEFF15	1	0.280778	0.171947	1.633
UICEFF16	1	0.095364	0.190063	0.502
SERVICE	1	.000090001845	0.00002026503	0.444
PREWENTY	1	-0.130009	0.352532	-0.369
OVERHAUL	1	-0.782563	0.204717	-3.823
DEPFIT	1	-0.025027	0.085428	-0.293
HSDGGSM	1	-0.00480492	0.009495211	-0.506
AFQTGSM	1	-0.00528591	0.00897291	-0.589
ENAGEGSM	1	-0.055837	0.097515	-0.573
PRAGEGSM	1	0.000481179	0.053253	0.009
PAYGRGSM	1	0.105099	0.098954	1.062

YRACDGSM	1	-0.065313	0.061948	-1.054
TMEGRGSM	1	0.001745896	0.008230533	0.212
UFILLGSM	1	0.0001731249	0.001973743	0.088
LFILLGSM	1	0.001493167	0.00381051	0.392

DEP VARIABLE: MEMRAC LOG-TRANSFORMED READINESS INDEX (SPCC)

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	487.369	16.805834	1.576	0.0348
ERROR	259	2761.755	10.663145		
C TOTAL	288	3249.124			
ROOT MSE		3.265447	R-SQUARE		0.1500
DEP MEAN		1.603369	ADJ R-SQ		0.0548
C.V.		203.6616			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEP	1	16.730178	10.030316	1.668
UICEFF01	1	-1.174097	0.993141	-1.182
UICEFF02	1	-0.092308	1.006124	-0.092
UICEFF03	1	-0.157453	0.974897	-0.162
UICEFF04	1	-0.933639	0.886271	-1.053
UICEFF05	1	0.345802	0.937838	0.369
UICEFF06	1	-0.936970	0.904335	-1.036
UICEFF07	1	2.148467	0.854360	2.515
UICEFF08	1	-0.173712	0.895192	-0.194
UICEFF09	1	1.359438	0.792444	1.716
UICEFF10	1	-0.381053	0.815139	-0.467
UICEFF11	1	1.090343	0.815057	1.338
UICEFF12	1	-0.665172	0.861589	-0.772
UICEFF13	1	0.339362	1.010338	0.336
UICEFF14	1	-1.577987	0.855623	-1.844
UICEFF15	1	0.188755	0.894516	0.211
UICEFF16	1	-0.249912	0.988763	-0.253
SERVICE	1	0.0008557673	0.001054244	0.812
PREWRNTY	1	-0.208056	1.833971	-0.113
OVERHAUL	1	-2.751443	1.064996	-2.584
DEPFIT	1	-1.382167	0.444419	-3.110
HSDGGSM	1	-0.053521	0.049397	-1.083
AFQTGSM	1	0.042252	0.046680	0.905
ENAGEGSM	1	-0.642881	0.507298	-1.267
PRAGEGSM	1	-0.147927	0.277036	-0.534
PAYGRGSM	1	0.108087	0.514789	0.210
YRACDGSM	1	-0.035365	0.322271	-0.110
TMEGRGSM	1	0.001130141	0.042818	0.026
UFILLGSM	1	0.012344	0.010268	1.202
LFILLGSM	1	0.003806572	0.019823	0.192

DEP VARIABLE: M TOTAL HOURS DOWNTIME DUE TO MAINTENANCE

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	70829765	2442406	2.487	0.0001
ERROR	259	254353465	982060		
C TOTAL	288	325183229			
ROOT MSE		990.989	R-SQUARE		0.2178
DEP MEAN		742.602	ADJ R-SQ		0.1302
C.V.		133.4482			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEP	1	69.900655	3043.974	0.023
UICEFF01	1	-183.471	301.396	-0.609
UICEFF02	1	-434.448	305.336	-1.423

UICEFF03	1	-648.143	295.859	-2.191
UICEFF04	1	485.080	268.963	1.804
UICEFF05	1	842.067	284.613	2.959
UICEFF06	1	-383.019	274.445	-1.396
UICEFF07	1	689.141	259.279	2.658
UICEFF08	1	91.789673	271.670	0.338
UICEFF09	1	356.939	240.489	1.484
UICEFF10	1	-470.086	247.376	-1.900
UICEFF11	1	-174.885	247.351	-0.707
UICEFF12	1	-518.849	261.473	-1.984
UICEFF13	1	42.925555	306.615	0.140
UICEFF14	1	-121.179	259.662	-0.467
UICEFF15	1	533.242	271.465	1.964
UICEFF16	1	184.076	300.067	0.613
SERVICE	1	0.185819	0.319939	0.581
PREWRNTY	1	-34.689100	556.569	-0.062
OVERHAUL	1	-965.589	323.202	-2.988
DEPFLT	1	-7.081501	134.871	-0.053
HSDGGSM	1	1.093653	14.990795	0.073
AFQTGSM	1	-12.214696	14.166199	-0.862
ENAGEGSM	1	94.366575	153.953	0.613
PRAGEGSM	1	-37.936477	84.074237	-0.451
PAYGRGSM	1	128.446	156.227	0.822
YRACIGSM	1	-92.001598	97.802044	-0.941
TMEGRGSM	1	7.774239	12.994154	0.598
UFILLGSM	1	-0.760752	3.116095	-0.244
LFILLGSM	1	1.415604	6.015936	0.235

DEP VARIABLE: T TOTAL HOURS DOWNTIME

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	88883429	3064946	1.898	0.0049
ERROR	259	418184130	1614611		
C TOTAL	288	507067559			
ROOT MSE		1270.673	R-SQUARE		0.1753
DEP MEAN		1200.564	ADJ R-SQ		0.0829
C.V.		105.8397			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEP	1	3870.410	3903.066	0.992
UICEFF01	1	74.003595	386.458	0.191
UICEFF02	1	81.560260	391.510	0.208
UICEFF03	1	-796.144	379.359	-2.099
UICEFF04	1	605.091	344.872	1.755
UICEFF05	1	614.220	364.938	1.683
UICEFF06	1	-316.411	351.901	-0.899
UICEFF07	1	1008.229	332.455	3.033
UICEFF08	1	185.263	348.343	0.532
UICEFF09	1	323.635	308.361	1.050
UICEFF10	1	-462.328	317.193	-1.458
UICEFF11	1	-219.271	317.161	-0.691
UICEFF12	1	-763.413	335.267	-2.277
UICEFF13	1	-266.396	393.150	-0.678
UICEFF14	1	-167.819	332.946	-0.504
UICEFF15	1	438.709	348.080	1.260
UICEFF16	1	-70.126312	384.754	-0.182
SERVICE	1	0.474668	0.410235	1.157
PREWRNTY	1	-366.715	713.647	-0.514
OVERHAUL	1	-1349.742	414.419	-3.257
DEPFLT	1	34.641605	172.935	0.200
HSDGGSM	1	-23.258170	19.221604	-1.210
AFQTGSM	1	-9.104865	18.164284	-0.501
ENAGEGSM	1	-26.551746	197.403	-0.135
PRAGEGSM	1	-0.185039	107.802	-0.002
PAYGRGSM	1	278.600	200.318	1.391
YRACIGSM	1	-183.832	125.404	-1.466

TMEGRGSM	1	3.439326	16.661456	0.206
UFILIGSM	1	-0.786648	3.995542	-0.197
LFILIGSM	1	-4.614630	7.713796	-0.598

READINESS REGRESSIONS FOR THE HT RATING

DEP VARIABLE: K1 TOTAL NUMBER OF CASREPS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	84.267436	2.905774	2.562	0.0001
ERROR	356	403.712	1.134022		
C TOTAL	385	487.979			
ROOT MSE		1.064905	R-SQUARE		0.1727
DEP MEAN		0.730570	ADJ R-SQ		0.1053
C.V.		145.7636			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEP	1	-0.491268	2.518913	-0.195
UICEFF01	1	-0.181629	0.269397	-0.674
UICEFF02	1	0.085844	0.242649	0.354
UICEFF03	1	-0.050062	0.242439	-0.206
UICEFF04	1	0.270271	0.249139	1.085
UICEFF05	1	-0.00337001	0.243594	-0.014
UICEFF06	1	-0.375976	0.248589	-1.512
UICEFF07	1	0.324448	0.247330	1.312
UICEFF08	1	0.027446	0.276164	0.099
UICEFF09	1	0.913461	0.224894	4.062
UICEFF10	1	-0.351609	0.230856	-1.523
UICEFF11	1	-0.627737	0.232136	-2.704
UICEFF12	1	-0.438349	0.221374	-1.980
UICEFF13	1	0.321317	0.234998	1.367
UICEFF14	1	0.186366	0.219900	0.848
UICEFF15	1	0.118891	0.217090	0.548
UICEFF16	1	-0.0012427	0.214230	-0.006
SERVICE	1	.00008386631	0.0001157978	0.724
PREWRNTY	1	0.254028	0.240983	1.054
OVERHAUL	1	-0.420834	0.243638	-1.727
DEPFLT	1	0.439316	0.136946	3.208
HSDGHT	1	0.002400693	0.006897527	0.348
AFQTHT	1	-0.00616609	0.006504684	-0.948
ENAGEHT	1	0.050820	0.134741	0.377
PRAGEHT	1	-0.011827	0.064525	-0.183
PAYGRHT	1	0.047895	0.167971	0.285
YRACDHT	1	-0.078449	0.111247	-0.705
TMEGRHT	1	0.020585	0.016755	1.229
UFILLHT	1	0.003804452	0.00266176	1.429
LFILIHT	1	0.0007875502	0.001760229	0.447

DEP VARIABLE: K2 TOTAL NUMBER OF C-2 CASREPS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	79.559200	2.743421	2.533	0.0001
ERROR	356	385.581	1.083092		
C TOTAL	385	465.140			
ROOT MSE		1.040717	R-SQUARE		0.1710
DEP MEAN		0.699482	ADJ R-SQ		0.1035
C.V.		148.784			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEP	1	-0.891069	2.461699	-0.362
UICEFF01	1	-0.174988	0.263278	-0.665

UICEFF02	1	0.112929	0.237137	0.476
UICEFF03	1	-0.020637	0.236932	-0.087
UICEFF04	1	0.171359	0.243480	0.704
UICEFF05	1	0.030435	0.238061	0.128
UICEFF06	1	-0.353276	0.242942	-1.454
UICEFF07	1	0.208309	0.241712	0.862
UICEFF08	1	0.054546	0.269891	0.202
UICEFF09	1	0.890515	0.219786	4.052
UICEFF10	1	-0.325848	0.225613	-1.444
UICEFF11	1	-0.590930	0.226863	-2.605
UICEFF12	1	-0.390877	0.216346	-1.807
UICEFF13	1	0.341290	0.229660	1.486
UICEFF14	1	0.132473	0.214906	0.616
UICEFF15	1	0.144339	0.212159	0.680
UICEFF16	1	0.00007430601	0.209364	0.004
SERVICE	1	.00008971039	0.0001131676	0.793
PREWENTY	1	0.286070	0.235509	1.215
OVERHAUL	1	-0.400626	0.238104	-1.683
DEPFLT	1	0.454224	0.133835	3.394
HSDGHT	1	0.00140296	0.00674086	0.208
AFQTHT	1	-0.00439851	0.00635694	-0.692
ENAGEHT	1	0.075220	0.131681	0.571
PRAGEHT	1	-0.018901	0.063059	-0.300
PAYGPHT	1	0.028244	0.164155	0.172
YRACDHT	1	-0.053964	0.108720	-0.496
TMEGRHT	1	0.021485	0.016374	1.312
UFILIHT	1	0.003916312	0.002601302	1.506
LFILIHT	1	0.000908135	0.001720248	0.528

DEP VARIABLE: INDEX01 LOG-TRANSFORMED READINESS INDEX (NPS)

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	10.561608	0.364193	2.884	0.0001
ERROR	356	44.949241	0.126262		
C TOTAL	385	55.510849			
ROOT MSE		0.355334	R-SQUARE		0.1903
DEP MEAN		0.225687	ADJ R-SQ		0.1243
C.V.		157.445			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEP	1	-0.208198	0.840502	-0.248
UICEFF01	1	-0.038598	0.089891	-0.429
UICEFF02	1	-0.00322321	0.080966	-0.040
UICEFF03	1	-0.088569	0.080896	-1.095
UICEFF04	1	0.113357	0.083132	1.364
UICEFF05	1	0.010412	0.081282	0.128
UICEFF06	1	-0.109552	0.082948	-1.321
UICEFF07	1	0.192577	0.082528	2.333
UICEFF08	1	0.007829476	0.092149	0.085
UICEFF09	1	0.324972	0.075042	4.331
UICEFF10	1	-0.119863	0.077031	-1.556
UICEFF11	1	-0.206589	0.077458	-2.667
UICEFF12	1	-0.127536	0.073867	-1.727
UICEFF13	1	0.074406	0.078413	0.949
UICEFF14	1	0.046012	0.073376	0.627
UICEFF15	1	0.046836	0.072438	0.647
UICEFF16	1	-0.025913	0.071484	-0.362
SERVICE	1	.00007309765	.00003863899	1.892
PREWENTY	1	0.120499	0.080410	1.499
OVERHAUL	1	-0.109709	0.081296	-1.350
DEPFLT	1	0.107356	0.045696	2.349
HSDGHT	1	-0.00030432	0.002301542	-0.132
AFQTHT	1	-0.00316911	0.002170459	-1.460
ENAGEHT	1	0.025585	0.044960	0.569
PRAGEHT	1	-0.00900107	0.021530	-0.418

PAYGRHT	1	0.003869959	0.056048	0.069
YRACDHT	1	-0.014167	0.037121	-0.382
TMEGRHT	1	0.007183269	0.005590661	1.285
UFILIHT	1	0.001487393	0.0008881664	1.675
LFILIHT	1	0.0007243872	0.0005873469	1.233

DEP VARIABLE: MEMRAC LOG-TRANSFORMED READINESS INDEX (SPCC)

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	25.377603	0.875090	1.534	0.0411
ERROR	356	203.143	0.570628		
C TOTAL	385	228.521			
ROOT MSE		0.755399	R-SQUARE		0.1111
DEP MEAN		0.132010	ADJ R-SQ		0.0386
C.V.		572.2288			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEP	1	1.205550	1.786812	0.675
UICEFF01	1	-0.011926	0.191099	-0.062
UICEFF02	1	-0.125772	0.172125	-0.731
UICEFF03	1	-0.120013	0.171976	-0.698
UICEFF04	1	0.517252	0.176729	2.927
UICEFF05	1	-0.164921	0.172795	-0.954
UICEFF06	1	-0.081876	0.176338	-0.464
UICEFF07	1	0.641990	0.175445	3.659
UICEFF08	1	-0.159693	0.195899	-0.815
UICEFF09	1	0.109085	0.159530	0.684
UICEFF10	1	-0.108152	0.163760	-0.660
UICEFF11	1	-0.171983	0.164667	-1.044
UICEFF12	1	-0.181340	0.157034	-1.155
UICEFF13	1	-0.111098	0.166698	-0.666
UICEFF14	1	0.096430	0.155988	0.618
UICEFF15	1	-0.120169	0.153995	-0.780
UICEFF16	1	-0.00303161	0.151966	-0.020
SERVICE	1	-0.000026119	.000082142l4	-0.318
PREWRNTY	1	-0.166540	0.170943	-0.974
OVERHAUL	1	-0.068974	0.172826	-0.399
DEPFLT	1	-0.116396	0.097144	-1.198
HSDGHT	1	0.002628771	0.004892818	0.537
AFQTHT	1	-0.00841714	0.004614152	-1.824
ENAGEHT	1	-0.074384	0.095580	-0.778
PRAGEHT	1	0.033535	0.045771	0.733
PAYGRHT	1	0.089215	0.119151	0.749
YRACDHT	1	-0.113184	0.078914	-1.434
TMEGRHT	1	0.0009525358	0.011885	0.080
UFILIHT	1	-0.0000527743	0.0018881l2	-0.280
LFILIHT	1	-0.000238688	0.0012486l3	-0.191

DEP VARIABLE: PRSCAUSE TOTAL OF PRESUMED PERSONNEL-BASED CAUSES

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	12.161200	0.419352	1.527	0.0428
ERROR	356	97.776623	0.274653		
C TOTAL	385	109.938			
ROOT MSE		0.524074	R-SQUARE		0.1106
DEP MEAN		0.227979	ADJ R-SQ		0.0382
C.V.		229.8779			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEP	1	-0.422255	1.239638	-0.341
UICEFF01	1	-0.057836	0.132579	-0.436

UICEFF02	1	0.016050	0.119415	0.134
UICEFF03	1	0.064915	0.119312	0.544
UICEFF04	1	0.189957	0.122609	1.549
UICEFF05	1	-0.158910	0.119880	-1.326
UICEFF06	1	-0.157677	0.122339	-1.289
UICEFF07	1	0.009882905	0.121719	0.081
UICEFF08	1	0.066599	0.135909	0.490
UICEFF09	1	0.269041	0.110678	2.431
UICEFF10	1	-0.079868	0.113612	-0.703
UICEFF11	1	-0.240390	0.114241	-2.104
UICEFF12	1	-0.183990	0.108945	-1.689
UICEFF13	1	-0.012745	0.115650	-0.110
UICEFF14	1	-0.022146	0.108220	-0.205
UICEFF15	1	0.165840	0.106837	1.552
UICEFF16	1	0.162992	0.105430	1.546
SERVICE	1	.00003910185	.00005698783	0.686
PREWENTY	1	0.161970	0.118595	1.366
OVERHAUL	1	-0.125946	0.119902	-1.050
DEPFLT	1	0.123851	0.067395	1.838
HSDGHT	1	0.00292882	0.003394495	0.863
AFQTHT	1	-0.000831347	0.003201165	-0.260
ENAGEHT	1	0.044910	0.066310	0.677
PRAGEHT	1	-0.039894	0.031755	-1.256
PAYGRHT	1	0.097851	0.082664	1.184
YRACDHT	1	-0.010462	0.054748	-0.191
TMEGRHT	1	-0.000317795	0.008245548	-0.039
UFILLHT	1	0.0002684641	0.001309938	0.205
LFILIHT	1	0.00034479354	0.0008662655	0.402

DEP VARIABLE: M TOTAL HOURS DOWNTIME DUE TO MAINTENANCE

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	30186505	1040914	2.371	0.0001
ERROR	356	156283138	438998		
C TOTAL	385	186469643			
ROOT MSE		662.569	R-SQUARE		0.1619
DEP MEAN		331.052	ADJ R-SQ		0.0936
C.V.		200.1406			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEP	1	-526.639	1567.233	-0.336
UICEFF01	1	-101.242	167.615	-0.604
UICEFF02	1	-63.380489	150.973	-0.420
UICEFF03	1	-178.464	150.842	-1.183
UICEFF04	1	255.250	155.011	1.647
UICEFF05	1	13.423738	151.561	0.089
UICEFF06	1	-123.596	154.668	-0.799
UICEFF07	1	473.449	153.885	3.077
UICEFF08	1	121.524	171.825	0.707
UICEFF09	1	425.394	139.926	3.040
UICEFF10	1	-201.467	143.635	-1.403
UICEFF11	1	-311.036	144.432	-2.154
UICEFF12	1	-182.598	137.736	-1.326
UICEFF13	1	24.707759	146.212	0.169
UICEFF14	1	37.275144	136.819	0.272
UICEFF15	1	2.723148	135.070	0.020
UICEFF16	1	-25.661551	133.291	-0.193
SERVICE	1	0.195155	0.072048	2.709
PREWENTY	1	178.902	149.936	1.193
OVERHAUL	1	-137.928	151.588	-0.910
DEPFLT	1	29.510685	85.205711	0.346
HSDGHT	1	-3.082331	4.291546	-0.718
AFQTHT	1	-4.153257	4.047124	-1.026
ENAGEHT	1	41.366145	83.834029	0.493
PRAGEHT	1	-3.791519	40.146424	-0.094

PAYGRHT	1	5.005222	104.509	0.048
YRACDHT	1	-32.489652	69.216366	-0.469
TMEGRHT	1	11.746991	10.424568	1.127
UFILIHT	1	2.319428	1.656110	1.401
LFILIHT	1	1.731772	1.095190	1.581

DEP VARIABLE: T TOTAL HOURS DOWNTIME

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	51000145	1758626	2.206	0.0005
ERROR	356	283829328	797273		
C TOTAL	385	334829473			
ROOT MSE		892.902	R-SQUARE		0.1523
DEP MEAN		527.018	ADJ R-SQ		0.0833
C.V.		169.4252			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEP	1	741.509	2112.059	0.351
UICEFF01	1	-251.301	225.884	-1.113
UICEFF02	1	169.548	203.456	0.833
UICEFF03	1	2.163629	203.280	0.011
UICEFF04	1	351.922	208.898	1.685
UICEFF05	1	-31.538248	204.249	-0.154
UICEFF06	1	-271.318	208.437	-1.302
UICEFF07	1	537.812	207.381	2.593
UICEFF08	1	106.223	231.558	0.459
UICEFF09	1	587.165	188.569	3.114
UICEFF10	1	-395.162	193.568	-2.041
UICEFF11	1	-485.723	194.641	-2.495
UICEFF12	1	-335.080	185.618	-1.805
UICEFF13	1	156.004	197.041	0.792
UICEFF14	1	110.693	184.382	0.600
UICEFF15	1	86.829391	182.026	0.477
UICEFF16	1	-86.902055	179.628	-0.484
SERVICE	1	0.150378	0.097094	1.549
PREWRNTY	1	206.143	202.059	1.020
OVERHAUL	1	-247.855	204.285	-1.213
DEPFIT	1	167.045	114.826	1.455
HSDGHT	1	-0.573155	5.783441	-0.099
AFQTHT	1	-6.272085	5.454050	-1.150
ENAGEHT	1	5.781911	112.978	0.051
PRAGEHT	1	-7.955388	54.102762	-0.147
PAYGRHT	1	-21.581188	140.840	-0.153
YRACDHT	1	-74.119441	93.278460	-0.795
TMEGRHT	1	10.706624	14.048522	0.762
UFILIHT	1	2.480582	2.231834	1.111
LFILIHT	1	0.903026	1.475918	0.612

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